



Lenovo® ThinkPad T430



Lenovo ThinkPad T430



Lenovo ThinkPad T430



Lenovo ThinkPad T430



Lenovo ThinkPad T430



Lenovo ThinkPad T430 with  
ThinkPad Port Replicator Series 3 with USB 3.0  
433615W

# ThinkPad T430 2342 (TopSeller)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>2</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/ mSATA | Finger print reader | Blue-tooth | Bat-tery cells | Intel AMT | Intel vPro | Preload (mm/yy) | Ann Date |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|----------------------------|---------------------|------------|----------------|-----------|------------|-----------------|----------|
| 2342-38U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205 <sup>28</sup> | WWAN upg                   | None                | No         | 6              | iAMT      | vPro       | Pro 64          | 06/12    |
| 2342-37U   | i5-3320M  | 4GBx2  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                   | None                | No         | 6              | iAMT      | vPro       | Pro 64          | 06/12    |
| 2342-36U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                   | None                | No         | 6              | iAMT      | vPro       | Pro 64          | 06/12    |
| 2342-35U   | i5-3210M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Pro 64          | 06/12    |
| 2342-34U   | i5-3210M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Pro 64          | 06/12    |
| 2342-33U   | i5-3210M  | 4GBx1  | 14.0" HD+           | 720p   | 320G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Pro 64          | 06/12    |
| 2342-32U   | i5-3210M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Pro 64          | 06/12    |
| 2342-4AU   | i5-2520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Pro 64          | 07/12    |
| 2342-6CU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | iAMT      | vPro       | Pro 64          | 09/12    |

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                          | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000,</b> DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology<br><b>Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology<br><b>Intel Core i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications<sup>14</sup></b> (only some listed)<br>• Rescue and Recovery™<br>• Password Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Memory                                                                                                         | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Preloaded applications<sup>14</sup></b> (only some listed)<br>• Lenovo® Solution Center<br>• Lenovo Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• Fingerprint Software (fingerprint models)<br>• ThinkVantage System Update<br>• ThinkVantage Power Manager<br>• Lenovo Cloud Storage by SugarSync<br>• Lenovo SimpleTap<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security 2012 (30 days of virus definitions)<br>• Adobe® Reader®<br>• Skype™ for Windows<br>• Evernote®<br>• Intel Small Business Advantage<br>• RapidBoot HDD Accelerator<br>• Symantec™ VIP<br>• Windows Live™ Essentials<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |
| Optical Ultrabay SATA disk                                                                                     | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| mSATA™ SSD                                                                                                     | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Widescreen display                                                                                             | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Camera                                                                                                         | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Graphics                                                                                                       | <b>Intel HD Graphics 3000 or 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                      | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                      | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Battery - type Battery - life <sup>10</sup>                                                                    | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.7 hr; <i>9-cell (94Whr):</i> up to 16.2 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 32.5 hr                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                     | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PCIe Mini Card PCIe WLAN <sup>4</sup>                                                                          | Two PCI Express Mini Card slots<br><i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br><i>Some:</i> 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2                                                                                                                                                                                                                                                                                                                                                                                                        | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support                                  | Wireless WAN upgradable<br>None<br>None<br>None<br><i>Some:</i> Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br><i>Some:</i> Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                      | 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Security Security chip Fingerprint reader                                                                      | Trusted Platform Module, TCG 1.2-compliant<br><i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                                        | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Limited warranty <sup>12</sup> <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

See footnotes for more detailed information

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# ThinkPad T430 2342 (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>3</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/ mSATA | Finger print reader | Blue-tooth | Bat-tery cells | Intel AMT | Intel vPro | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|----------------------------|---------------------|------------|----------------|-----------|------------|------------|------------------|
| 2342-6FU   | i5-3210M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Win7 Pro64 | 10/12            |
| 2342-6DU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205 <sup>28</sup> | WWAN upg                   | Finger              | BT         | 6              | iAMT      | vPro       | Win8 Pro64 | 10/12            |
| 2342-49U   | i5-2520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Win8 Pro64 | 10/12            |
| 2342-48U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | None                | No         | 6              | iAMT      | vPro       | Win8 Pro64 | 10/12            |
| 2342-47U   | i5-3210M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Win8 Pro64 | 10/12            |
| 2342-7PU   | i5-3230M  | 4GBx1  | 14.0" HD+           | 720p   | 128G SSD                      | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | None      | No         | Win7 Pro64 | 02/13            |
| 2342-7NU   | i5-3230M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Win8 Pro64 | 02/13            |
| 2342-6QU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200               | WWAN upg                   | None                | No         | 6              | None      | No         | Win7 Pro64 | 02/13            |
| 2342-7YU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | None                | No         | 6              | iAMT      | vPro       | Win7 Pro64 | 04/13            |

• Small and medium business (SMB) model(s), part of the US TopSeller™ Program

|                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                          | Premiere performance; two spindles<br><b>Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000,</b> DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology<br><b>Intel Core i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology<br><b>Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology<br><b>Intel Core i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology |  | <b>Preloaded operating system<sup>20</sup></b><br>- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br>- Some: Windows 8 Pro 64-bit<br><b>Preloaded applications<sup>5</sup></b> (only some listed)<br><br>- <b>Windows 7 models</b><br>• Lenovo® Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• ThinkVantage Power Manager<br>• Lenovo SimpleTap<br>• Adobe® Reader®<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)<br><br>- <b>Windows 8 models</b><br>• Lenovo Support<br>• Lenovo Companion<br>• Lenovo QuickLaunch<br>• PC Device Stage<br>• Cyberlink Power2Go (DVD±RW)<br>• Cyberlink PowerProducer (DVD±RW)<br><br>- <b>All models</b><br>• Lenovo Solution Center<br>• Password Manager<br>• ThinkVantage System Update<br>• Fingerprint Software (fingerprint models)<br>• Lenovo Cloud Storage by SugarSync<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security (30 days of virus definitions)<br>• Skype™ |
| Memory                                                                                                         | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Optical Ultrabay SATA disk                                                                                     | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br>All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| mSATA™ SSD                                                                                                     | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Widescreen display                                                                                             | Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br>Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Camera                                                                                                         | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Graphics                                                                                                       | <b>Intel HD Graphics 3000 or 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br>Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                      | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                      | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><b>6-cell:</b> from 4.77 lb (2.17kg); <b>9-cell:</b> from 5.13 lb (2.33kg)<br><b>Display cover:</b> Carbon-fiber / Glass-fiber hybrid;<br><b>Bottom:</b> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Battery - type Battery - life <sup>10</sup>                                                                    | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><b>6-cell (57Whr):</b> up to 9.7 hr; <b>9-cell (94Whr):</b> up to 16.2 hr;<br><b>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</b> up to 32.5 hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                     | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PCIe Mini Card PCIe WLAN <sup>4</sup>                                                                          | Two PCI Express Mini Card slots<br>Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br>Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support                                  | Wireless WAN upgradable<br>None<br>None<br>None<br>Some: Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Some: Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant                                                                                                                                                                                                                                                                     |  | 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Security Security chip Fingerprint reader                                                                      | Trusted Platform Module, TCG 1.2-compliant<br>Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Limited warranty <sup>12</sup> <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

See footnotes for more detailed information

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# ThinkPad T430 2344 (TopSeller)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>3</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Bat-Blue-tooth | tery cells | Intel AMT | Intel vPro | Preload (mm/yy) | Ann Date |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|----------------|------------|-----------|------------|-----------------|----------|
| 2344-5NU   | i7-3520M  | 4GBx2  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5MU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5LU   | i7-3520M  | 4GBx2  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5KU   | i7-3520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5HU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5FU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5EU   | i5-3320M  | 8GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-5DU   | i5-3210M  | 4GBx1  | 14.0" HD+           | 720p   | 128G SSD                      | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | None      | None       | Pro 64          | 06/12    |
| 2344-2HU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 06/12    |
| 2344-6XU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 07/12    |
| 2344-6RU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT             | 6          | iAMT      | vPro       | Pro 64          | 07/12    |

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 3-year limited warranty**

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology<br><b>Intel Core i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                        |  |  |  |  |  |  |  |  |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Rescue and Recovery™</li> <li>• Password Manager</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | <b>Preloaded applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Lenovo® Solution Center</li> <li>• Lenovo Message Center Plus</li> <li>• ThinkVantage Product Recovery</li> <li>• Access Connections™</li> <li>• Fingerprint Software (fingerprint models)</li> <li>• ThinkVantage System Update</li> <li>• ThinkVantage Power Manager</li> <li>• Lenovo Cloud Storage by SugarSync</li> <li>• Lenovo SimpleTap</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• Norton™ Internet Security 2012 (30 days of virus definitions)</li> <li>• Adobe® Reader®</li> <li>• Skype™ for Windows</li> <li>• Evernote®</li> <li>• Intel Small Business Advantage</li> <li>• RapidBoot HDD Accelerator</li> <li>• Symantec™ VIP</li> <li>• Windows Live™ Essentials</li> <li>• Corel® WinDVD® (DVD±RW)</li> <li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> </ul> |  |  |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Graphics                                                                                                            | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <b>14.0W"</b> (WxDxH): 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><b>6-cell:</b> from 4.77 lb (2.17kg); <b>9-cell:</b> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><b>6-cell (57Whr):</b> up to 9.7 hr; <b>9-cell (94Whr):</b> up to 16.2 hr;<br><b>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</b> up to 32.5 hr                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br><i>Some:</i> Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Security Security chip Fingerprint reader                                                                           | Power On Authentication, supports the security chip<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |
| Limited warranty <sup>12</sup>                                                                                      | <b>3-years/1-yr battery - depot repair service / service upgrades<sup>22</sup> available</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | Supports ThinkVantage® technologies<br><br>65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br><br>For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |

See footnotes for more detailed information

# ThinkPad T430 2344 (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Disk SATA GB <sup>3</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth | Battery cells | Intel AMT | Intel vPro | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|------------|---------------|-----------|------------|------------|------------------|
| 2344-BZU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 500G 7200                     | Backlit           | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 10/12            |
| 2344-BYU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | None                | No         | 6             | iAMT      | vPro       | Win8 Pro64 | 10/12            |
| 2344-BNU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 180G SSD                      | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 10/12            |
| 2344-BKU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | None                | No         | 6             | iAMT      | vPro       | Win7 Pro64 | 10/12            |
| 2344-6ZU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 500G 7200                     | Backlit           | Intel 2200               | WWAN upg                  | Finger              | BT         | 6             | None      | No         | Win8 Pro64 | 10/12            |
| 2344-6YU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 180G SSD                      | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 6             | iAMT      | vPro       | Win8 Pro64 | 10/12            |
| 2344-6SU   | i5-3320M  | 4GBx1  | 14.0" HD            | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 6             | iAMT      | vPro       | Win8 Pro64 | 10/12            |
| 2344-C4U   | i5-3320M  | 4GBx1  | 14.0" HD            | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | None                | No         | 6             | iAMT      | vPro       | Win7 Pro64 | 10/12            |
| 2344-FQU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | None                | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 06/13            |
| 2344-GRU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 180G SSD                      | Backlit           | Intel 6205               | WWAN upg                  | None                | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 07/13            |
| 2344-GQU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 256G SSD OPAL                 | Backlit           | Intel 6205               | WWAN upg                  | None                | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 07/13            |
| 2344-GPU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 256G SSD OPAL                 | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 07/13            |
| 2344-GNU   | i5-3320M  | 4GBx1  | 14.0" HD            | 320G 7200 OPAL                | None              | Intel 6205               | WWAN upg                  | None                | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 07/13            |
| 2344-GMU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 320G 7200 OPAL                | None              | Intel 6205               | WWAN upg                  | None                | BT         | 6             | iAMT      | vPro       | Win7 Pro64 | 07/13            |

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- A depot repair service 3-year limited warranty

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                         | Premiere performance; two spindles<br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000.</b><br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000.</b><br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                                                                                                                                                        | <b>Preloaded operating system<sup>20</sup></b><br>- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br>- Some: Windows 8 Pro 64-bit                                                                                                                                              |
| Memory                                                                        | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Preloaded applications<sup>5</sup></b> (only some listed)                                                                                                                                                                                                                                                                    |
| Optical Ultrabay SATA disk                                                    | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br>All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                                                                                         | - <b>Windows 7 models</b><br>• Lenovo® Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• ThinkVantage Power Manager<br>• Lenovo SimpleTap<br>• Adobe® Reader®<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |
| mSATA™ SSD                                                                    | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | - <b>Windows 8 models</b><br>• Lenovo Support<br>• Lenovo Companion<br>• Lenovo QuickLaunch<br>• PC Device Stage<br>• Cyberlink Power2Go (DVD±RW)<br>• Cyberlink PowerProducer (DVD±RW)                                                                                                                                         |
| Widescreen display                                                            | Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br>Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                                                                                 | - <b>All models</b><br>• Lenovo Solution Center<br>• Password Manager<br>• ThinkVantage System Update<br>• Fingerprint Software (fingerprint models)<br>• Lenovo Cloud Storage by SugarSync<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Skype™                                                    |
| Camera                                                                        | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                 |
| Graphics                                                                      | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><b>Maximum external resolution:</b> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                                                                                                                                                                                   | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                             |
| Keyboard TrackPoint® Touchpad ThinkLight™                                     | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                                                                               | 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                 |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                     | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><b>6-cell:</b> from 4.77 lb (2.17kg); <b>9-cell:</b> from 5.13 lb (2.33kg)<br><b>Display cover:</b> Carbon-fiber / Glass-fiber hybrid;<br><b>Bottom:</b> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                                                                | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                            |
| Battery - type Battery - life <sup>10</sup>                                   | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><b>6-cell (57Whr):</b> up to 9.7 hr; <b>9-cell (94Whr):</b> up to 16.2 hr;<br><b>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</b> up to 32.5 hr                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                 |
| Chipset ExpressCard Smart Card read Multicard reader Ports                    | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                 |
| PCIe Mini Card PCIe WLAN <sup>4</sup>                                         | Two PCI Express Mini Card slots<br>Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br>Some: 11a/b/g/n, PCIe Half Mini Card, Intel Centrino Advanced-N 6205, 2x2                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                 |
| PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Wireless WAN upgradable<br>None<br>None<br>None<br>Some: Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Some: Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip |                                                                                                                                                                                                                                                                                                                                 |
| Security Security chip Fingerprint reader                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                 |
| Limited warranty <sup>12</sup>                                                | <b>3-years/1-yr battery - depot repair service / service upgrades<sup>22</sup> available</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                 |

See footnotes for more detailed information

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# ThinkPad T430 2342 (Optimus) - TopSeller

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth | Bat-tery cells | Intel vPro | Preload | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|---------------------|---------------------------|---------------------|------------|----------------|------------|---------|------------------|
| 2342-4BU   | i5-2520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200          | WWAN upg                  | None                | None       | 6              | None       | Pro 64  | 07/12            |

## • Small and medium business (SMB) model(s), part of the US TopSeller™ Program

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000</b> , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology                                                                                                                                                                                                                                                                                   |  | <b>Preloaded operating system</b> <sup>20</sup><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications</b> <sup>14</sup> (only some listed) <ul style="list-style-type: none"><li>• Rescue and Recovery™</li><li>• Password Manager</li></ul> <b>Preloaded applications</b> <sup>14</sup> (only some listed) <ul style="list-style-type: none"><li>• Lenovo® Solution Center</li><li>• Lenovo Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• Fingerprint Software (fingerprint models)</li><li>• ThinkVantage System Update</li><li>• ThinkVantage Power Manager</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Lenovo SimpleTap</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Norton™ Internet Security 2012 (30 days of virus definitions)</li><li>• Adobe® Reader®</li><li>• Skype™ for Windows</li><li>• Evernote®</li><li>• Intel Small Business Advantage</li><li>• RapidBoot HDD Accelerator</li><li>• Symantec™ VIP</li><li>• Windows Live™ Essentials</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 3000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA) |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <b>14.0W"</b> (WxDxH): 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>None<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>None<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Security Security chip Fingerprint reader                                                                           | Trusted Platform Module, TCG 1.2-compliant<br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Limited warranty <sup>12</sup>                                                                                      | <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

See footnotes for more detailed information

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# ThinkPad T430 2342 (Optimus) - TopSeller (Windows 8)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>2</sup> rpm | Backlit key-board | PCIe Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Finger print reader | Battery cells | Intel vPro | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|---------------------|---------------------------|---------------------|---------------|------------|------------|------------------|
| 2342-4CU   | i5-2520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200          | WWAN upg                  | None                | 6             | None       | Win8 Pro64 | 10/12            |

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-2520M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 3000</b> , DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | <b>Preloaded operating system<sup>20</sup></b><br>- Windows® 8 Pro 64-bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | <b>Preloaded applications<sup>5</sup></b> (only some listed)<br><br>- <b>Windows 7 models</b><br>• Lenovo® Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• ThinkVantage Power Manager<br>• Lenovo SimpleTap<br>• Adobe® Reader®<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)<br><br>- <b>Windows 8 models</b><br>• Lenovo Support<br>• Lenovo Companion<br>• Lenovo QuickLaunch<br>• PC Device Stage<br>• Cyberlink Power2Go (DVD±RW)<br>• Cyberlink PowerProducer (DVD±RW)<br><br>- <b>All models</b><br>• Lenovo Solution Center<br>• Password Manager<br>• ThinkVantage System Update<br>• Fingerprint Software (fingerprint models)<br>• Lenovo Cloud Storage by SugarSync<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security (30 days of virus definitions)<br>• Skype™ |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 3000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA) |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <i>14.0W"</i> (WxDxH): 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>None<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>None<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole     |  |  |  |  |  |  |  |  |  | 90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Security Security chip Fingerprint reader                                                                           | None<br>Trusted Platform Module, TCG 1.2-compliant<br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| Limited warranty <sup>12</sup>                                                                                      | <b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

See footnotes for more detailed information

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# ThinkPad T430 2344 (Optimus) - TopSeller

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>3</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth | Bat-tery cells | Intel vPro | Preload | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|------------|----------------|------------|---------|------------------|
| 2344-5PU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT         | 9              | vPro       | Pro 64  | 06/12            |
| 2344-5JU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205               | WWAN upg                  | Finger              | BT         | 9              | vPro       | Pro 64  | 06/12            |
| 2344-5GU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT         | 9              | vPro       | Pro 64  | 06/12            |
| 2344-6VU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 9              | vPro       | Pro 64  | 07/12            |
| 2344-6TU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT         | 9              | vPro       | Pro 64  | 07/12            |

- Small and medium business (SMB) model(s), part of the US TopSeller™ Program
- A depot repair service 3-year limited warranty

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b><br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b><br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                        |  |  |  |  |  |  |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64<br><b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Rescue and Recovery™</li> <li>• Password Manager</li> </ul> <b>Preloaded applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"> <li>• Lenovo® Solution Center</li> <li>• Lenovo Message Center Plus</li> <li>• ThinkVantage Product Recovery</li> <li>• Access Connections™</li> <li>• Fingerprint Software (fingerprint models)</li> <li>• ThinkVantage System Update</li> <li>• ThinkVantage Power Manager</li> <li>• Lenovo Cloud Storage by SugarSync</li> <li>• Lenovo SimpleTap</li> <li>• Microsoft® Office preloaded; purchase a product key to activate</li> <li>• Norton™ Internet Security 2012 (30 days of virus definitions)</li> <li>• Adobe® Reader®</li> <li>• Skype™ for Windows</li> <li>• Evernote®</li> <li>• Intel Small Business Advantage</li> <li>• RapidBoot HDD Accelerator</li> <li>• Symantec™ VIP</li> <li>• Windows Live™ Essentials</li> <li>• Corel® WinDVD® (DVD±RW)</li> <li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li> <li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li> </ul> |  |  |  |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                           |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                          |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA) |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                      |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack                            |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Security Security chip Fingerprint reader                                                                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |
| Limited warranty <sup>12</sup>                                                                                      | 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  | Supports ThinkVantage® technologies<br>90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |

See footnotes for more detailed information

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# ThinkPad T430 2344 (Optimus) - TopSeller (Windows 8)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>2</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Bat-tery Intel vPro | Blue-tooth cells | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|---------------------|------------------|------------|------------------|
| 2344-BPU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT                  | 9                | Win7 Pro64 | 10/12            |
| 2344-BMU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT                  | 9                | Win7 Pro64 | 10/12            |
| 2344-6WU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT                  | 9                | Win8 Pro64 | 10/12            |
| 2344-6UU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | Finger              | BT                  | 9                | Win8 Pro64 | 10/12            |
| 2344-FSU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | None                | BT                  | 9                | Win7 Pro64 | 06/13            |
| 2344-GSU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | Backlit           | Intel 6205               | WWAN upg                  | None                | BT                  | 9                | Win7 Pro64 | 07/13            |

- **Small and medium business (SMB) model(s), part of the US TopSeller™ Program**
- **A depot repair service 3-year limited warranty**

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                               | Premiere performance; two spindles<br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                              |  | <b>Preloaded operating system</b> <sup>20</sup><br>- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br>- Some: Windows 8 Pro 64-bit<br><b>Preloaded applications</b> <sup>5</sup> (only some listed)<br><br>- <b>Windows 7 models</b> <ul style="list-style-type: none"><li>• Lenovo® Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• ThinkVantage Power Manager</li><li>• Lenovo SimpleTap</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> - <b>Windows 8 models</b> <ul style="list-style-type: none"><li>• Lenovo Support</li><li>• Lenovo Companion</li><li>• Lenovo QuickLaunch</li><li>• PC Device Stage</li><li>• Cyberlink Power2Go (DVD±RW)</li><li>• Cyberlink PowerProducer (DVD±RW)</li></ul> - <b>All models</b> <ul style="list-style-type: none"><li>• Lenovo Solution Center</li><li>• Password Manager</li><li>• ThinkVantage System Update</li><li>• Fingerprint Software (fingerprint models)</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Norton™ Internet Security (30 days of virus definitions)</li><li>• Skype™</li></ul> |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br>All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Widescreen display                                                                                                  | Some: <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br>Some: <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br>Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA) |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | 14.0W" (WxDxH): 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br>6-cell: from 4.77 lb (2.17kg); 9-cell: from 5.13 lb (2.33kg)<br>Display cover: Carbon-fiber / Glass-fiber hybrid;<br>Bottom: Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br>6-cell (57Whr): up to 9.4 hr; 9-cell (94Whr): up to 15.8 hr;<br>9-cell plus 9-cell Slice battery (94Whr, 0A36304): up to 31.6 hr                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Security Security chip Fingerprint reader                                                                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>Some: AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Limited warranty <sup>12</sup>                                                                                      | 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                             |
| 90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup> |
| For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                            |

See footnotes for more detailed information

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| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/ mSATA | Carrier | Finger print reader | Blue-tooth cells | Bat-tery Intel vPro | Global (G) GMP (P) | Preload | Ann Date (mm/yy) |       |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|----------------------------|---------|---------------------|------------------|---------------------|--------------------|---------|------------------|-------|
| 2347-GAU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205 <sup>28</sup> | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-H9U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 180G SSD                      | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-G8U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 128G SSD                      | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-GBU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-G5U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-H8U   | i7-3520M  | 4GBx1  | 14.0" HD            | No     | 500G 7200                     | None              | Intel 6205               | upg                        | None    | None                | No               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-H7U   | i5-3320M  | 4GBx1  | 14.0" HD            | No     | 320G 7200                     | None              | Intel 6205               | upg                        | None    | None                | No               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-H6U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-H2U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-GZU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 128G SSD                      | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 06/12 |
| 2347-G3U   | i7-3520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-G2U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | upg                        | None    | Finger              | BT               | 6                   | vPro               | G       | Pro 64           | 06/12 |
| 2347-K9U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | Gobi                       | AT&T    | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 09/12 |
| 2347-K8U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | Gobi                       | Verizon | Finger              | BT               | 6                   | vPro               |         | Pro 64           | 09/12 |

• A depot repair service 3-year limited warranty

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Positioning Processor                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                      |  |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Memory                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                       |  |  | <b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"><li>• Rescue and Recovery™</li><li>• Password Manager</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| Optical Ultrabay SATA disk                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                   |  |  | <b>Preloaded applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"><li>• Lenovo® Solution Center</li><li>• Lenovo Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• Fingerprint Software (fingerprint models)</li><li>• ThinkVantage System Update</li><li>• ThinkVantage Power Manager</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Lenovo SimpleTap</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Norton™ Internet Security 2012 (30 days of virus definitions)</li><li>• Adobe® Reader®</li><li>• Skype™ for Windows</li><li>• Evernote®</li><li>• Intel Small Business Advantage</li><li>• RapidBoot HDD Accelerator</li><li>• Symantec™ VIP</li><li>• Windows Live™ Essentials</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> |  |  |
| mSATA™ SSD                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Widescreen display                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Camera                                                              | <i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Graphics                                                            | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                              |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material           | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                               |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Battery - type Battery - life <sup>10</sup>                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.7 hr; <i>9-cell (94Whr):</i> up to 16.2 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 32.5 hr                                                                                                                                                                                     |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN                     | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br><i>Some:</i> Wireless WAN upgradable<br><i>Some:</i> Wireless WAN, Qualcomm® Gobi™ 4000 chipset, PCIe Mini Card, LTE, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS                                                                                                                                                                          |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | <i>Some:</i> AT&T® or Verizon® LTE (4G), contract required with service provider<br>None<br>None<br><i>Some:</i> Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack |  |  | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| Security Security chip Fingerprint reader                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br><i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                       |  |  | 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Limited warranty <sup>12</sup>                                      | <b>3-years/1-yr battery</b> - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                |  |  | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |

See footnotes for more detailed information

# ThinkPad T430 2347 (Windows 8)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>5</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth cells | Bat-tery | Global (G) Intel vPro | GMP (P) | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|------------------|----------|-----------------------|---------|------------|------------------|
| 2347-JKU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT               | 6        | vPro                  |         | Win8 Pro64 | 10/12            |
| 2347-JGU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205               | WWAN upg                  | Finger              | BT               | 6        | vPro                  |         | Win8 Pro64 | 10/12            |
| 2347-JBU   | i7-3520M  | 4GBx1  | 14.0" HD            | No     | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | None                | No               | 6        | vPro                  |         | Win8 Pro64 | 10/12            |
| 2347-JAU   | i5-3320M  | 4GBx1  | 14.0" HD            | No     | 320G 7200                     | None              | Intel 6205               | WWAN upg                  | None                | No               | 6        | vPro                  |         | Win8 Pro64 | 10/12            |
| 2347-J9U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT               | 6        | vPro                  | G       | Win8 Pro64 | 10/12            |
| 2347-J8U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT               | 6        | vPro                  | G       | Win8 Pro64 | 10/12            |
| 2347-L4U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT               | 6        | vPro                  |         | Win7 Pro64 | 12/12            |
| 2347-L3U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT               | 6        | vPro                  |         | Win7 Pro64 | 12/12            |

## • A depot repair service 3-year limited warranty

|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                                                                                                                                                                                                                           | Premiere performance; two spindles<br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000</b> ,<br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000</b> ,<br>DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                               |  | <b>Preloaded operating system</b> <sup>20</sup><br>- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br>- Some: Windows 8 Pro 64-bit<br><b>Preloaded applications</b> <sup>5</sup> (only some listed)<br><br>- <b>Windows 7 models</b><br>• Lenovo® Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• ThinkVantage Power Manager<br>• Lenovo SimpleTap<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)<br><br>- <b>Windows 8 models</b><br>• Lenovo Support<br>• Lenovo Companion<br>• Lenovo QuickLaunch<br>• PC Device Stage<br>• Cyberlink Power2Go (DVD±RW)<br>• Cyberlink PowerProducer (DVD±RW)<br><br>- <b>All models</b><br>• Lenovo Solution Center<br>• Password Manager<br>• ThinkVantage System Update<br>• Fingerprint Software (fingerprint models)<br>• Lenovo Cloud Storage by SugarSync<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Skype™ |
| Memory                                                                                                                                                                                                                                                                                                          | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Optical Ultrabay SATA disk                                                                                                                                                                                                                                                                                      | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| mSATA™ SSD                                                                                                                                                                                                                                                                                                      | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Widescreen display                                                                                                                                                                                                                                                                                              | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Camera                                                                                                                                                                                                                                                                                                          | <i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Graphics                                                                                                                                                                                                                                                                                                        | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                                                                                                                                                                                                                       | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint™ pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                                                                                                                                                                                                                       | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Battery - type Battery - life <sup>10</sup>                                                                                                                                                                                                                                                                     | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.7 hr; <i>9-cell (94Whr):</i> up to 16.2 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 32.5 hr                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                                                                                                                                                                                                                      | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support                                                                                                                                                                                             | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br><i>Some:</i> Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Security Security chip Fingerprint reader                                                                                                                                                                                                                                                                       | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br><i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Limited warranty <sup>12</sup>                                                                                                                                                                                                                                                                                  | <b>3-years/1-yr battery</b> - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

See footnotes for more detailed information

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# ThinkPad T430 2347 (Optimus)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Bat-Blue- tooth | Global (G) Intel vPro | GMP (P) Preload | Ann Date       |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|-----------------|-----------------------|-----------------|----------------|
| 2347-G9U   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT              | 9                     | vPro            | G Pro 64 06/12 |
| 2347-G7U   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT              | 9                     | vPro            | G Pro 64 06/12 |
| 2347-G6U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT              | 9                     | vPro            | G Pro 64 06/12 |
| 2347-G4U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT              | 9                     | vPro            | G Pro 64 06/12 |

• A depot repair service 3-year limited warranty

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                                                                                                                 |  |  |  |  |  |  |  |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications<sup>14</sup></b> (only some listed)<br>• Rescue and Recovery™<br>• Password Manager<br><br><b>Preloaded applications<sup>14</sup></b> (only some listed)<br>• Lenovo® Solution Center<br>• Lenovo Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• Fingerprint Software (fingerprint models)<br>• ThinkVantage System Update<br>• ThinkVantage Power Manager<br>• Lenovo Cloud Storage by SugarSync<br>• Lenovo SimpleTap<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security 2012 (30 days of virus definitions)<br>• Adobe® Reader®<br>• Skype™ for Windows<br>• Evernote®<br>• Intel Small Business Advantage<br>• RapidBoot HDD Accelerator<br>• Symantec™ VIP<br>• Windows Live™ Essentials<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |  |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)                                                                                                    |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><b>6-cell:</b> from 4.77 lb (2.17kg); <b>9-cell:</b> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><b>6-cell (57Whr):</b> up to 9.4 hr; <b>9-cell (94Whr):</b> up to 15.8 hr;<br><b>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</b> up to 31.6 hr                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Security Security chip Fingerprint reader                                                                           | AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
| Limited warranty <sup>12</sup>                                                                                      | 3-years/1-yr battery - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  | Supports ThinkVantage® technologies<br><br>90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br><br>For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |

See footnotes for more detailed information

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# ThinkPad T430 2347 (Optimus) - Windows 8

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Bat- Blue- tooth | tery cells | Intel vPro | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|------------------|------------|------------|------------|------------------|
| 2347-L5U   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | Backlit           | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT               | 9          | vPro       | Win7 Pro64 | 12/12            |

• A depot repair service 3-year limited warranty

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                                                                                                                                                                                                                                                        |  | <b>Preloaded operating system<sup>20</sup></b><br>- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br><br><b>Preloaded applications<sup>5</sup></b> (only some listed)<br><br>- <b>Windows 7 models</b> <ul style="list-style-type: none"><li>• Lenovo® Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• ThinkVantage Power Manager</li><li>• Lenovo SimpleTap</li><li>• Adobe® Reader®</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> - <b>Windows 8 models</b> <ul style="list-style-type: none"><li>• Lenovo Support</li><li>• Lenovo Companion</li><li>• Lenovo QuickLaunch</li><li>• PC Device Stage</li><li>• Cyberlink Power2Go (DVD±RW)</li><li>• Cyberlink PowerProducer (DVD±RW)</li></ul> - <b>All models</b> <ul style="list-style-type: none"><li>• Lenovo Solution Center</li><li>• Password Manager</li><li>• ThinkVantage System Update</li><li>• Fingerprint Software (fingerprint models)</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Skype™</li></ul> |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Security Security chip Fingerprint reader                                                                           | Trusted Platform Module, TCG 1.2-compliant<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Limited warranty <sup>12</sup>                                                                                      | <b>3-years/1-yr battery - depot repair service / service upgrades<sup>22</sup> available</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Supports ThinkVantage® technologies | | |
| 90-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-compliant GREENGUARD® certified RoHS-compliant International Warranty Service<sup>17</sup> 24 hour x 7 day<sup>18</sup> toll-free support during the warranty period<sup>12</sup> | | |
| For compatible accessories, please go to O-T430 sheet; For Lenovo service<sup>22</sup> upgrade options, please go to QP-TA sheet | | |

See footnotes for more detailed information

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# ThinkPad T430 2349 (Onsite)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>3</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Mini Card Carrier | Smart Card Reader | Finger print reader | Blue-tooth | Bat-tery cells | Global (G) Intel vPro | Global (G) GMP (P) | Preload | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|-------------------|-------------------|---------------------|------------|----------------|-----------------------|--------------------|---------|------------------|
| 2349-GAU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205 <sup>28</sup> | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-GDU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 128G SSD                      | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-G8U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 128G SSD                      | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-G5U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-GCU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 320G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-GWU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  |                    | Pro 64  | 06/12            |
| 2349-GVU   | i7-3520M  | 4GBx1  | 14.0" HD            | No     | 500G 7200                     | None              | Intel 6205               | upg                       | None              | None              | No                  | No         | 6              | vPro                  |                    | Pro 64  | 06/12            |
| 2349-GUU   | i5-3320M  | 4GBx1  | 14.0" HD            | No     | 320G 7200                     | None              | Intel 6205               | upg                       | None              | None              | No                  | No         | 6              | vPro                  |                    | Pro 64  | 06/12            |
| 2349-GRU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  |                    | Pro 64  | 06/12            |
| 2349-G3U   | i7-3520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-G2U   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | upg                       | None              | None              | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-HFU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 320G 7200                     | None              | Intel 6205               | upg                       | None              | Smart             | Fing                | BT         | 6              | vPro                  | G P                | Pro 64  | 06/12            |
| 2349-HNU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | upg                       | None              | None              | No                  | BT         | 6              | vPro                  | G P                | Pro 64  | 07/12            |
| 2349-JTU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | Gobi                      | AT&T              | None              | Fing                | BT         | 6              | vPro                  |                    | Pro 64  | 09/12            |
| 2349-JSU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | Gobi                      | Verizon           | None              | Fing                | BT         | 6              | vPro                  |                    | Pro 64  | 09/12            |

• Some models are part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                      |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"><li>• Rescue and Recovery™</li><li>• Password Manager</li></ul><br><b>Preloaded applications<sup>14</sup></b> (only some listed) <ul style="list-style-type: none"><li>• Lenovo® Solution Center</li><li>• Lenovo Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• Fingerprint Software (fingerprint models)</li><li>• ThinkVantage System Update</li><li>• ThinkVantage Power Manager</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Lenovo SimpleTap</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Norton™ Internet Security 2012 (30 days of virus definitions)</li><li>• Adobe® Reader®</li><li>• Skype™ for Windows</li><li>• Evernote®</li><li>• Intel Small Business Advantage</li><li>• RapidBoot HDD Accelerator</li><li>• Symantec™ VIP</li><li>• Windows Live™ Essentials</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> |
| Memory                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Optical Ultrabay SATA disk                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| mSATA™ SSD                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Widescreen display                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Camera                                                              | <i>Some:</i> HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Graphics                                                            | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Keyboard TrackPoint® Touchpad ThinkLight™                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material           | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Battery - type Battery - life <sup>10</sup>                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.7 hr; <i>9-cell (94Whr):</i> up to 16.2 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 32.5 hr                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Chipset ExpressCard Smart Card read Multicard reader Ports          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br><i>Some:</i> Smart Card reader<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN                     | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br><i>Some:</i> Wireless WAN upgradable<br><i>Some:</i> Wireless WAN, Qualcomm® Gobi™ 4000 chipset, PCIe Mini Card, LTE, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | <i>Some:</i> AT&T® or Verizon® LTE (4G), contract required with service provider<br>None<br>None<br><i>Some:</i> Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Security Security chip Fingerprint reader                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br><i>Some:</i> AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Limited warranty <sup>12</sup>                                      | <b>3-years/1-year battery, limited onsite service<sup>24</sup></b> , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                             |
| 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup> |
| For compatible accessories, please go to O-T430 sheet;                                                                                                                                                                                                                                                          |
| For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                      |

See footnotes for more detailed information

# ThinkPad T430 2349 (Onsite) - Windows 8

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>1</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/ mSATA | Finger print reader | Blue-tooth | Bat-tery cells | Global (G) Intel vPro | Global (G) GMP (P) | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|----------------------------|---------------------|------------|----------------|-----------------------|--------------------|------------|------------------|
| 2349-JQU   | i7-3520M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205 <sup>28</sup> | WWAN upg                   | Finger              | BT         | 6              | vPro                  | G P                | Win8 Pro64 | 10/12            |
| 2349-JPU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  | G P                | Win8 Pro64 | 10/12            |
| 2349-JNU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  | G P                | Win8 Pro64 | 10/12            |
| 2349-JMU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  | G P                | Win8 Pro64 | 10/12            |
| 2349-LTU   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  |                    | Win7 Pro64 | 12/12            |
| 2349-LSU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  |                    | Win7 Pro64 | 12/12            |
| 2349-LRU   | i5-3320M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                   | Finger              | BT         | 6              | vPro                  |                    | Win7 Pro64 | 12/12            |

• Some models are part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000.</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | <b>Preloaded operating system<sup>20</sup></b><br>- Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br>- Some: Windows 8 Pro 64-bit<br><b>Preloaded applications<sup>5</sup></b> (only some listed)<br>- <b>Windows 7 models</b><br>• Lenovo® Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• ThinkVantage Power Manager<br>• Lenovo SimpleTap<br>• Adobe® Reader®<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)<br>- <b>Windows 8 models</b><br>• Lenovo Support<br>• Lenovo Companion<br>• Lenovo QuickLaunch<br>• PC Device Stage<br>• Cyberlink Power2Go (DVD±RW)<br>• Cyberlink PowerProducer (DVD±RW)<br>- <b>All models</b><br>• Lenovo Solution Center<br>• Password Manager<br>• ThinkVantage System Update<br>• Fingerprint Software (fingerprint models)<br>• Lenovo Cloud Storage by SugarSync<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Skype™ |  |  |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Graphics                                                                                                            | <b>Intel HD Graphics 4000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><b>6-cell:</b> from 4.77 lb (2.17kg); <b>9-cell:</b> from 5.13 lb (2.33kg)<br><b>Display cover:</b> Carbon-fiber / Glass-fiber hybrid;<br><b>Bottom:</b> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><b>6-cell (57Whr):</b> up to 9.7 hr; <b>9-cell (94Whr):</b> up to 16.2 hr;<br><b>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</b> up to 32.5 hr                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Security Security chip Fingerprint reader                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Limited warranty <sup>12</sup>                                                                                      | <b>3-years/1-year battery, limited onsite service<sup>24</sup>, 8 am - 5 pm, Mon - Fri coverage</b> excluding holidays, next business day response time / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | Supports ThinkVantage® technologies<br>65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br>For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |

See footnotes for more detailed information

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# ThinkPad T430 2349 (Optimus) - Onsite

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth | Battery cells | Global (G) Intel vPro | GMP (P) | Preload | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|------------|---------------|-----------------------|---------|---------|------------------|
| 2349-G9U   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | None              | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT         | 9             | vPro                  | G P     | Pro 64  | 06/12            |
| 2349-G7U   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT         | 9             | vPro                  | G P     | Pro 64  | 06/12            |
| 2349-G6U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 500G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT         | 9             | vPro                  | G P     | Pro 64  | 06/12            |
| 2349-G4U   | i5-3320M  | 4GBx1  | 14.0" HD+           | 720p   | 320G 7200                     | None              | Intel 6205               | WWAN upg                  | Finger              | BT         | 9             | vPro                  | G P     | Pro 64  | 06/12            |

• Part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                               | Premiere performance; two spindles<br><b>Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology<br><b>Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                     |  | <b>Preloaded operating system</b> <sup>20</sup><br>Genuine Windows® 7 Professional 64<br><br><b>Ready to install applications</b> <sup>14</sup> (only some listed)<br>• Rescue and Recovery™<br>• Password Manager<br><br><b>Preloaded applications</b> <sup>14</sup> (only some listed)<br>• Lenovo® Solution Center<br>• Lenovo Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• Fingerprint Software (fingerprint models)<br>• ThinkVantage System Update<br>• ThinkVantage Power Manager<br>• Lenovo Cloud Storage by SugarSync<br>• Lenovo SimpleTap<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security 2012 (30 days of virus definitions)<br>• Adobe® Reader®<br>• Skype™ for Windows<br>• Evernote®<br>• Intel Small Business Advantage<br>• RapidBoot HDD Accelerator<br>• Symantec™ VIP<br>• Windows Live™ Essentials<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Graphics                                                                                                            | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA) |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <b>14.0W" (WxDxH):</b> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Security Security chip Fingerprint reader                                                                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Limited warranty <sup>12</sup>                                                                                      | <b>3-years/1-year battery, limited onsite service</b> <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Supports ThinkVantage® technologies<br><br>90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup><br><br>For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

See footnotes for more detailed information

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# ThinkPad T430 2349 (Optimus) - Onsite (Windows 8)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>5</sup> rpm | Backlit key-board | PCIe Mini Card WLAN      | PCIe Mini Card WWAN/mSATA | Finger print reader | Bat-Blue- tooth cells | Intel vPro | Preload    | Ann Date (mm/yy) |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|--------------------------|---------------------------|---------------------|-----------------------|------------|------------|------------------|
| 2349-LUU   | i7-3520M  | 4GBx1  | 14.0" HD+           | 720p   | 180G SSD                      | Backlit           | Intel 6205 <sup>28</sup> | WWAN upg                  | Finger              | BT 9                  | vPro       | Win7 Pro64 | 12/12            |

|                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positioning Processor                                                                                                                                                                                                                                                                                           | Premiere performance; two spindles<br><b>Intel® Core™ i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000</b> , DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology                                                                                                                                                                                                                                                                                                                                               |  | <b>Preloaded operating system</b> <sup>20</sup><br>- Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit<br><br><b>Preloaded applications</b> <sup>5</sup> (only some listed)<br><br>- <b>Windows 7 models</b> <ul style="list-style-type: none"><li>• Lenovo® Message Center Plus</li><li>• ThinkVantage Product Recovery</li><li>• Access Connections™</li><li>• ThinkVantage Power Manager</li><li>• Lenovo SimpleTap</li><li>• Corel® WinDVD® (DVD±RW)</li><li>• Corel Burn.Now™ Lenovo Edition (DVD±RW)</li><li>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)</li></ul> - <b>Windows 8 models</b> <ul style="list-style-type: none"><li>• Lenovo Support</li><li>• Lenovo Companion</li><li>• Lenovo QuickLaunch</li><li>• PC Device Stage</li><li>• Cyberlink Power2Go (DVD±RW)</li><li>• Cyberlink PowerProducer (DVD±RW)</li></ul> - <b>All models</b> <ul style="list-style-type: none"><li>• Lenovo Solution Center</li><li>• Password Manager</li><li>• ThinkVantage System Update</li><li>• Fingerprint Software (fingerprint models)</li><li>• Lenovo Cloud Storage by SugarSync</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• Norton™ Internet Security (30 days of virus definitions)</li><li>• Skype™</li></ul> |
| Memory                                                                                                                                                                                                                                                                                                          | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Optical Ultrabay SATA disk                                                                                                                                                                                                                                                                                      | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| mSATA™ SSD                                                                                                                                                                                                                                                                                                      | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Widescreen display                                                                                                                                                                                                                                                                                              | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Camera                                                                                                                                                                                                                                                                                                          | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Graphics                                                                                                                                                                                                                                                                                                        | NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, <b>Intel HD Graphics 4000</b> in processor, and <b>NVIDIA NVS™ 5400M</b> , PCI Express® x16, <b>1GB</b> memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports three independent displays;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                                                                                                                                                                                                                       | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                                                                                                                                                                                                                       | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Battery - type Battery - life <sup>10</sup>                                                                                                                                                                                                                                                                     | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.4 hr; <i>9-cell (94Whr):</i> up to 15.8 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 31.6 hr                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                                                                                                                                                                                                                      | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support                                                                                                                                                                                             | Two PCI Express Mini Card slots<br>11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>Bluetooth 4.0 wireless<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>Intel Active Management Technology (iAMT)<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack<br>Power-on password, hard disk password, supervisor password, security keyhole |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Security Security chip Fingerprint reader                                                                                                                                                                                                                                                                       | Trusted Platform Module, TCG 1.2-compliant<br>AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Limited warranty <sup>12</sup>                                                                                                                                                                                                                                                                                  | <b>3-years/1-year battery, limited onsite service</b> <sup>24</sup> , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 90-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| For compatible accessories, please go to O-T430 sheet;<br><br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

See footnotes for more detailed information

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# ThinkPad T430i 2342 (TopSeller)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Camera | Disk SATA GB <sup>8</sup> rpm | Backlit key-board | PCIe Mini Card WLAN | PCIe Mini Card WWAN/mSATA | Finger print reader | Blue-tooth | Battery cells | Intel AMT | Intel vPro | Preload (mm/yy) | Ann Date |
|------------|-----------|--------|---------------------|--------|-------------------------------|-------------------|---------------------|---------------------------|---------------------|------------|---------------|-----------|------------|-----------------|----------|
| 2342-2ZU   | i3-2370M  | 4GBx1  | 14.0" HD            | 720p   | 500G 7200                     | None              | Intel 2200          | WWAN upg                  | None                | None       | 6             | None      | None       | Pro 64          | 06/12    |
| 2342-2YU   | i3-2370M  | 4GBx1  | 14.0" HD            | 720p   | 320G 7200                     | None              | Intel 2200          | WWAN upg                  | None                | None       | 6             | None      | None       | Pro 64          | 06/12    |

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Positioning Processor                                                                                               | <i>Premiere performance; two spindles</i><br><b>Intel® Core™ i3-2370M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 3000,</b> DDR3 memory controller (up to 1333MHz), HT technology                                                                                                                                                                                                                                 |  |  | <b>Preloaded operating system<sup>20</sup></b><br>Genuine Windows® 7 Professional 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| Memory                                                                                                              | 16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets<br>* System automatically clocks down for processors with 1333MHz DDR3 memory controller                                                                                                                                                                                                                           |  |  | <b>Ready to install applications<sup>14</sup></b> (only some listed)<br>• Rescue and Recovery™<br>• Password Manager                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| Optical Ultrabay SATA disk                                                                                          | DVD burner, 12.7mm Ultrabay Enhanced, removable<br>One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high, bottom access<br><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br><i>All:</i> removable, upgradable, supports the second disk, Shock Mounted Hard Drive                       |  |  | <b>Preloaded applications<sup>14</sup></b> (only some listed)<br>• Lenovo® Solution Center<br>• Lenovo Message Center Plus<br>• ThinkVantage Product Recovery<br>• Access Connections™<br>• Fingerprint Software (fingerprint models)<br>• ThinkVantage System Update<br>• ThinkVantage Power Manager<br>• Lenovo Cloud Storage by SugarSync<br>• Lenovo SimpleTap<br>• Microsoft® Office preloaded; purchase a product key to activate<br>• Norton™ Internet Security 2012 (30 days of virus definitions)<br>• Adobe® Reader®<br>• Skype™ for Windows<br>• Evernote®<br>• Intel Small Business Advantage<br>• RapidBoot HDD Accelerator<br>• Symantec™ VIP<br>• Windows Live™ Essentials<br>• Corel® WinDVD® (DVD±RW)<br>• Corel Burn.Now™ Lenovo Edition (DVD±RW)<br>• Corel DVD MovieFactory® Lenovo Edition (DVD±RW) |  |  |
| mSATA™ SSD                                                                                                          | None                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Widescreen display                                                                                                  | <i>Some:</i> <b>14.0"</b> (355mm) <b>HD (1366x768) color</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio<br><i>Some:</i> <b>14.0"</b> (355mm) <b>HD+ (1600x900) color</b> , anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio                                                                                                                                      |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Camera                                                                                                              | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Graphics                                                                                                            | <b>Intel HD Graphics 3000</b> in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;<br><i>Maximum external resolution:</i> 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)                                                                      |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Keyboard TrackPoint® Touchpad ThinkLight™                                                                           | 6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight<br>TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass<br>UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch<br>Illuminates the keyboard to improve visibility in low-light conditions                                                                  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Dimensions <sup>3</sup> Weight <sup>2</sup> Case material                                                           | <i>14.0W" (WxDxH):</i> 13.4" x 9.13" x 1.17–1.18"; 340.5mm x 232.0mm x 29.8–29.9mm<br><i>6-cell:</i> from 4.77 lb (2.17kg); <i>9-cell:</i> from 5.13 lb (2.33kg)<br><i>Display cover:</i> Carbon-fiber / Glass-fiber hybrid;<br><i>Bottom:</i> Carbon-Fiber Reinforced Plastic                                                                                                                                                   |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Battery - type Battery - life <sup>10</sup>                                                                         | Lithium Ion 6-cell or 9-cell, supports optional Slice battery as 2nd battery, HW Authentication<br><i>6-cell (57Whr):</i> up to 9.7 hr; <i>9-cell (94Whr):</i> up to 16.2 hr;<br><i>9-cell plus 9-cell Slice battery (94Whr, 0A36304):</i> up to 32.5 hr                                                                                                                                                                         |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Chipset ExpressCard Smart Card read Multicard reader Ports                                                          | <b>Mobile Intel QM77 Express Chipset</b><br>One slot (ExpressCard/34)<br>None<br>4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.0, two USB 2.0 (one powered), VGA DB-15, Mini DisplayPort, ethernet (RJ-45)                                                                                                                                                                                                                    |  |  | Supports ThinkVantage® technologies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| PCIe Mini Card PCIe WLAN <sup>4</sup> PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support | Two PCI Express Mini Card slots<br>11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2200, 2x2<br>Wireless WAN upgradable<br>None<br>None<br>None<br>None<br>Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1<br>None<br>HD Audio, Realtek® ALC3202 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack |  |  | 65-watt AC adapter<br>ThinkPad Roll Cage (one-piece magnesium frame)<br>EPEAT™ Gold rating<br>ENERGY STAR® 5.0-compliant<br>GREENGUARD® certified<br>RoHS-compliant<br>International Warranty Service <sup>17</sup><br>24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| Security Security chip Fingerprint reader                                                                           | Power-on password, hard disk password, supervisor password, security keyhole<br>Trusted Platform Module, TCG 1.2-compliant<br>None                                                                                                                                                                                                                                                                                               |  |  | For compatible accessories, please go to O-T430 sheet;<br>For Lenovo service <sup>22</sup> upgrade options, please go to QP-TA sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| Limited warranty <sup>12</sup>                                                                                      | 1-year - depot repair service / service upgrades <sup>22</sup> available                                                                                                                                                                                                                                                                                                                                                         |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |

See footnotes for more detailed information

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# ThinkPad T430 Accessories

Product Specifications Reference (PSREF)

## Memory

|                           |         |     |          |
|---------------------------|---------|-----|----------|
| 2GB PC3-12800 DDR3 SODIMM | 0A65722 | ann | 06/05/12 |
| 4GB PC3-12800 DDR3 SODIMM | 0A65723 | ann | 06/05/12 |
| 8GB PC3-12800 DDR3 SODIMM | 0A65724 | ann | 06/05/12 |

## Ultrabay Enhanced 12.7mm

|                                              |         |     |          |
|----------------------------------------------|---------|-----|----------|
| Serial ATA Hard Drive 12.7mm Bay Adapter III | 0A65623 | ann | 02/28/12 |
| DVD Burner Ultrabay Enhanced Drive III       | 0A65625 | ann | 06/05/12 |

## Storage and removable storage

|                                                        |         |     |          |
|--------------------------------------------------------|---------|-----|----------|
| ThinkPad 16GB mSATA Solid State Cache Drive            | 0B47309 | ann | 12/11/12 |
| 500GB 5400rpm SATA 3.0Gb/s 7mm 4K HDD <sup>41</sup>    | 0A65631 | ann | 06/05/12 |
| 500GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD <sup>41</sup>    | 0A65632 | ann | 06/05/12 |
| 320GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD <sup>41</sup>    | 0A65635 | ann | 06/05/12 |
| 320GB 7200rpm SATA 3.0Gb/s 7mm                         |         |     |          |
| Self Encrypting (SED) OPAL Capable HDD <sup>41</sup>   | 0A65636 | ann | 08/21/12 |
| 128GB SATA 6.0Gb/s 7mm Solid State Drive <sup>41</sup> | 0A65629 | ann | 06/05/12 |
| 180GB SATA 6.0Gb/s 7mm Solid State Drive <sup>41</sup> | 0A65630 | ann | 06/05/12 |
| 256GB 2.5" SATA 6.0Gb/s OPAL-capable SSD <sup>41</sup> | 0A65620 | ann | 05/15/12 |

<sup>41</sup> Can be used as the main HDD or with  
Serial ATA Hard Drive 12.7mm Bay Adapter III 0A65623 in the Ultrabay.

|                                     |         |     |          |
|-------------------------------------|---------|-----|----------|
| USB 2.0 Portable 500GB Hard Disk    | 45K1690 | ann | 05/26/09 |
| USB 3.0 Secure 500GB Hard Drive     | 0A65619 | ann | 11/29/11 |
| USB 3.0 Secure 750GB Hard Drive     | 0A65616 | ann | 11/29/11 |
| USB 3.0 Secure 1TB Hard Drive       | 0A65621 | ann | 08/28/12 |
| Lenovo Slim USB Portable DVD Burner | 0A33988 | ann | 06/14/11 |

## Wireless WAN (Mini PCI Express)

Only WWAN upgradable models:

|                                                |         |     |          |
|------------------------------------------------|---------|-----|----------|
| ThinkPad Gobi™ 3000 Mobile Broadband           | 0A36185 | ann | 04/12/11 |
| ThinkPad Gobi 4000 Mobile Broadband - AT&T®    | 0A36320 | ann | 06/05/12 |
| ThinkPad Gobi 4000 Mobile Broadband - Verizon® | 0A36318 | ann | 06/26/12 |

## ThinkPad Expansion

|                                                |         |     |          |
|------------------------------------------------|---------|-----|----------|
| Lenovo® Essential Notebook Stand               | 45J9292 | ann | 05/12/09 |
| ThinkPad Port Replicator Series 3 with USB 3.0 | 433615W | ann | 06/05/12 |
| ThinkPad Mini Dock Series 3 - 90W              | 433710U | ann | 06/23/09 |
| ThinkPad Mini Dock Series 3 w/ USB 3.0 - 90W   | 433715U | ann | 06/05/12 |
| TP Mini Dock Plus Series 3 w/ USB 3.0 - 90W    | 433815U | ann | 06/05/12 |
| TP Mini Dock Plus Series 3 w/ USB 3.0 - 170W   | 433835U | ann | 06/05/12 |

## Keyboard

|                                                         |         |     |          |
|---------------------------------------------------------|---------|-----|----------|
| TrackPoint Cap Collection                               | 73P2698 | ann | 12/16/03 |
| Ultralim Plus Wireless Keyboard and Mouse <sup>52</sup> | 0A34032 | ann | 04/05/11 |
| USB Numeric Keypad                                      | 33L3225 | ann | 05/01/00 |
| Preferred Pro USB Keyboard                              | 73P5220 | ann | 06/21/05 |
| Enhanced Performance USB Keyboard                       | 73P2620 | ann | 03/23/04 |
| ThinkPad USB Keyboard with TrackPoint                   | 55Y9003 | ann | 08/18/09 |
| Lenovo® USB Fingerprint Keyboard                        | 73P4730 | ann | 02/22/05 |
| Lenovo USB Smartcard Keyboard                           | 51J0155 | ann | 03/24/09 |

<sup>52</sup> Wireless via 2.4GHz technology using a micro-size USB receiver.

## Mouse

|                                           |         |     |          |
|-------------------------------------------|---------|-----|----------|
| Lenovo Optical Mouse (USB)                | 06P4069 | ann | 05/21/03 |
| Lenovo Laser Mouse (USB)                  | 41U3074 | ann | 01/23/07 |
| ThinkPad USB Laser Mouse                  | 57Y4635 | ann | 12/15/09 |
| Lenovo ScrollPoint® Mouse (USB, Optical)  | 31P7405 | ann | 08/27/02 |
| ThinkPad Travel Mouse (USB, Optical)      | 31P7410 | ann | 06/04/02 |
| ThinkPad Bluetooth Laser Mouse            | 0A36407 | ann | 06/26/12 |
| Lenovo Wireless Laser Mouse <sup>52</sup> | 0A36188 | ann | 12/20/11 |

## Multimedia

|                                            |         |     |          |
|--------------------------------------------|---------|-----|----------|
| ThinkPad In-Ear Headphones with microphone | 57Y4488 | ann | 01/07/10 |
|--------------------------------------------|---------|-----|----------|

## Modem

|                      |         |     |          |
|----------------------|---------|-----|----------|
| USB 2.0 Lenovo Modem | 43R1814 | ann | 02/26/08 |
|----------------------|---------|-----|----------|

## Security

|                                     |         |     |          |
|-------------------------------------|---------|-----|----------|
| 3M 14.0W Privacy Filter from Lenovo | 0A61769 | ann | 04/05/11 |
| Kensington® MicroSaver® Cable Lock  | 73P2582 | ann | 12/29/03 |
| Kensington Twin Head Cable Lock     | 45K1620 | ann | 09/30/08 |
| Lenovo Security Cable Lock          | 57Y4303 | ann | 08/24/10 |
| USB Gemplus GemPC Smart Card Reader | 41N3040 | ann | 02/21/06 |

## Batteries

|                                                     |         |     |          |
|-----------------------------------------------------|---------|-----|----------|
| ThinkPad Battery 70+ (6-cell)                       | 0A36302 | ann | 06/05/12 |
| ThinkPad Battery 70++ (9-cell)                      | 0A36303 | ann | 06/05/12 |
| ThinkPad Battery 28++ (9 cell, slice) <sup>43</sup> | 0A36304 | ann | 06/05/12 |

<sup>43</sup> To be used along with system battery for all-day computing; attaches under ThinkPad using docking connector (not supported when using Series 3 Port Replicator or Docks).

|                                                 |         |     |          |
|-------------------------------------------------|---------|-----|----------|
| ThinkPad External Battery Charger <sup>44</sup> | 40Y7625 | ann | 09/20/05 |
|-------------------------------------------------|---------|-----|----------|

<sup>44</sup> Requires the *ThinkPad 90W AC Adapter 40Y7659* or the adapter provided with the system.

More information at [www.lenovo.com/alldaycomputing](http://www.lenovo.com/alldaycomputing)

|                                       |         |     |          |
|---------------------------------------|---------|-----|----------|
| ThinkPad 65W AC Adapter <sup>45</sup> | 40Y7696 | ann | 01/05/06 |
|---------------------------------------|---------|-----|----------|

<sup>45</sup> Only compatible with the integrated graphics models.

|                                  |         |     |          |
|----------------------------------|---------|-----|----------|
| ThinkPad 90W AC Adapter          | 40Y7659 | ann | 09/20/05 |
| 90W Ultralim AC/DC Combo Adapter | 41R4493 | ann | 09/22/09 |

More info at [www.lenovo.com/support/poweradapters](http://www.lenovo.com/support/poweradapters)

Charging tips for 90W Ultralim AC/DC Combo Adapter 41R4493

|                                      |         |     |          |
|--------------------------------------|---------|-----|----------|
| • iPod and iPhone Charge Tip (L10a)  | 41R4481 | ann | 12/18/07 |
| • Generic Micro USB charge tip (L18) | 41R4490 | ann | 01/06/09 |

More information at [www.lenovopowertips.com](http://www.lenovopowertips.com)

## Carrying Cases

Up to 15.6" widescreen models:

|                                 |         |     |          |
|---------------------------------|---------|-----|----------|
| Lenovo Messenger Max            | 41U5253 | ann | 05/01/07 |
| Lenovo Performance Backpack     | 41U5254 | ann | 05/01/07 |
| ThinkPad Business Topload Case  | 43R2476 | ann | 05/13/08 |
| ThinkPad Business Backpack      | 43R2482 | ann | 05/13/08 |
| ThinkPad Deluxe Expander Case   | 43R2478 | ann | 05/13/08 |
| ThinkPad Executive Leather Case | 43R2480 | ann | 05/13/08 |
| Lenovo Sport Backpack - Red     | 0A33896 | ann | 02/28/12 |
| Lenovo Sport Slimcase - Red     | 0A33897 | ann | 02/28/12 |
| Lenovo Sport Messenger - Red    | 0A33898 | ann | 02/28/12 |

More information at [www.lenovo.com/support/cases](http://www.lenovo.com/support/cases)

## Monitors

|                                                             |         |     |          |
|-------------------------------------------------------------|---------|-----|----------|
| ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D) <sup>69</sup> | 2448MB6 | ann | 09/13/11 |
| ThinkVision L2251x Wide 22" (VGA, DP) <sup>69</sup>         | 2578HB6 | ann | 10/20/09 |

<sup>69</sup> DisplayPort cable is not included.

|                                                                                   |         |     |          |
|-----------------------------------------------------------------------------------|---------|-----|----------|
| ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Screen Cover (USB 2.0) | 1452DS6 | ann | 08/16/11 |
|-----------------------------------------------------------------------------------|---------|-----|----------|

|                                                                           |         |     |          |
|---------------------------------------------------------------------------|---------|-----|----------|
| ThinkVision LT1421 Wide 14" Mobile Monitor with Protective Case (USB 2.0) | 1452DB6 | ann | 08/16/11 |
|---------------------------------------------------------------------------|---------|-----|----------|

More information at [www.lenovo.com/support/monitors](http://www.lenovo.com/support/monitors)  
[www.lenovo.com/support/thinkpad/optimus-monitors](http://www.lenovo.com/support/thinkpad/optimus-monitors)

## Monitor Accessories<sup>46</sup>

|                                                   |         |     |          |
|---------------------------------------------------|---------|-----|----------|
| Lenovo USB 3.0 to DVI/VGA Monitor Adapter         | 0B47072 | ann | 08/14/12 |
| Lenovo Mini-DisplayPort to VGA Monitor Cable      | 0A36536 | ann | 05/17/11 |
| Mini-DisplayPort to Single-link DVI Monitor Cable | 0B47090 | ann | 06/26/12 |
| Mini-DisplayPort to DisplayPort Monitor Cable     | 0B47091 | ann | 07/24/12 |
| Lenovo USB Soundbar                               | 0A36190 | ann | 05/01/12 |
| Kensington MicroSaver Cable Lock                  | 73P2582 | ann | 12/29/03 |
| Kensington Twin Head Cable Lock                   | 45K1620 | ann | 09/30/08 |
| Lenovo Security Cable Lock                        | 57Y4303 | ann | 08/24/10 |
| Lenovo Easy Reach Monitor Stand                   | 55Y9258 | ann | 09/22/09 |

<sup>46</sup> Compatible on selected Lenovo and ThinkVision monitors.

More information at [www.lenovo.com/support/monitoraccessories](http://www.lenovo.com/support/monitoraccessories)

For more information on accessories:

[www.lenovo.com/accessories](http://www.lenovo.com/accessories)

Purchase Lenovo accessories

[www.lenovo.com/support/accessories](http://www.lenovo.com/support/accessories)

Product specifications on Lenovo Support

[www.lenovo.com/accessoriesguide](http://www.lenovo.com/accessoriesguide)

Option Compatibility Matrix (OCM) and accessory brochures

[www.lenovoquickpick.com](http://www.lenovoquickpick.com)

An Options Compatibility Configurator for Lenovo systems