

# Lenovo Y50 Platform Specifications

Product Specifications Reference (PSREF)

Processor	4th Generation Intel® Core™ i5 / i7 Processors								Battery type	Lithium-ion polymer 4-cell (54Wh) battery
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	Processor Graphics	Battery life	FHD: up to 5hrs; UHD: up to 4hrs
	i5-4200H	2	4	2.8 GHz	3.4 GHz	3MB	DDR3L-1600MHZ	Intel HD graphics 4600	AC adapter	135-watt AC adapter
	i5-4210H	2	4	2.9 GHz	3.5 GHz	3MB			Chipset	<i>Some:</i> Mobile Intel HM86 Chipset <i>Some:</i> Mobile Intel HM87 Chipset
	i7-4700HQ	4	8	2.4 GHz	3.4 GHz	6MB			Multicard reader	4-in-1 reader (SD, SDXC, SDHC, MMC)
	i7-4702HQ	4	8	2.2 GHz	3.2 GHz	6MB			Ports	USB 3.0 x 2, USB 2.0 x 1 (powered), SPDIF, HDMI, Ethernet (RJ-45)
	i7-4710HQ	4	8	2.5 GHz	3.5 GHz	6MB			Audio support	HD audio, stereo speakers with Dolby® Home Theater v4, 2.5W x 2 / 3W subwoofer, dual array microphone, combo audio/microphone jack
	i7-4720HQ	4	8	2.6 GHz	3.6 GHz	6MB			WLAN	<i>One of the following, configurable by model:</i> <ul style="list-style-type: none"> <li>11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card</li> <li>11ac, 1x1, Wi-Fi + BT combo adapter, M.2 Card</li> <li>11ac, 2x2, Wi-Fi + BT combo adapter, support WIDI, M.2 Card</li> <li>Intel Dual Band Wireless-AC 3160, 1x1, Wi-Fi + BT combo adapter, M.2 Card, support WIDI</li> </ul>
Memory	16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets								WWAN	None
Optical	<i>Some:</i> External optical box with DVD±RW, 9.5mm high, tray-in, via USB 2.0 <i>Some:</i> External optical box with Blu-ray burner, 9.5mm high, tray-in, via USB 2.0 <i>Some:</i> External optical box with Blu-ray burner, 12.7mm high, tray-in, via USB 2.0								Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
SATA disk	<i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> HDD / 2.5" wide, 7mm high <i>Some:</i> Hybrid drive with 8GB NAND flash memory / 2.5" wide								Ethernet	Gigabit Ethernet connection
Display	<i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 15.6" (396mm) FHD (1920x1080) color, IPS, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio <i>Some:</i> 15.6" (396mm) UHD (3840x2160) color, LED backlight, 270 nits, 16:9 aspect ratio, 800:1 contrast ratio								Security	Power-on password, hard disk password, supervisor password, security keyhole
Multi-touch	<i>Optional:</i> Capacitive-type multi-touch, supports 10-point, One Glass Solution								Security chip	None
Camera	720p HD, 1.0MP resolution, fixed focus, with dual array microphone								Fingerprint reader	None
Graphics	<i>Some:</i> NVIDIA® GeForce® GTX 860M, 2GB or 4GB memory, DirectX 11 <i>Some:</i> NVIDIA® GeForce® GTX 960M, 2GB or 4GB memory, DirectX 11 Max resolution (HDMI) 3840x2160@30Hz / 24bpp								Limited warranty	1 year limited warranty / service upgrades available
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery button (Novo key), LED backlight, numeric keypad								Preload	<i>Some:</i> Windows® 8.1 64-bit <i>Some:</i> Windows 8.1 professional 64-bit <i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"> <li>Lenovo Veriface® Pro</li> <li>Zinio® Online Newsstand</li> <li>Lenovo Companion</li> <li>Amazon Kindle</li> <li>Skype™</li> <li>Evernote®</li> <li>Lenovo® Cloud Storage</li> <li>McAfee® LiveSafe™ (30-day trial)</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul>
Touchpad	One-piece multi-touch touchpad								Environment	EPEAT™ Gold (US) / EPEAT™ Silver (WW); ENERGY STAR® 6.0; RoHS-compliant
Dimensions	<i>WxDxH:</i> 15.24" x 10.37" x 0.94"; 387mm x 263.4mm x 23.9mm									
Weight	<i>Non-touch models:</i> 2.4kg (5.29lb) with 4-cell battery <i>Touch models:</i> 2.6kg (5.73lb) with 4-cell battery									
Case color	<i>Top:</i> black; <i>bottom:</i> dusk black									
Case material	<i>Top:</i> aluminum, cross hairline; <i>bottom:</i> aluminum, cross hairline									