


Vostro 5502

Setup and specifications guide



Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your computer

1. Connect the power adapter, and press the power button.



- NOTE:** To conserve battery power, the battery might enter power-saving mode. Connect the power adapter and press the power button to turn on the computer.
- NOTE:** After the initial turn on and setup of the computer, the computer can subsequently turn on just by opening the display from a closed position.

2. Finish operating system setup.

For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles [SLN151664](#) and [SLN151748](#) at www.dell.com/support.

For Windows: Follow the on-screen instructions to complete the setup. When setting up, it is recommended that you:

- Connect to a network for Windows updates.
 - NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the internet, sign in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended

Table 1. Locate Dell apps








| Dell apps | Details |
|---|---|
|  | My Dell Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available. |

Table 1. Locate Dell apps (continued)

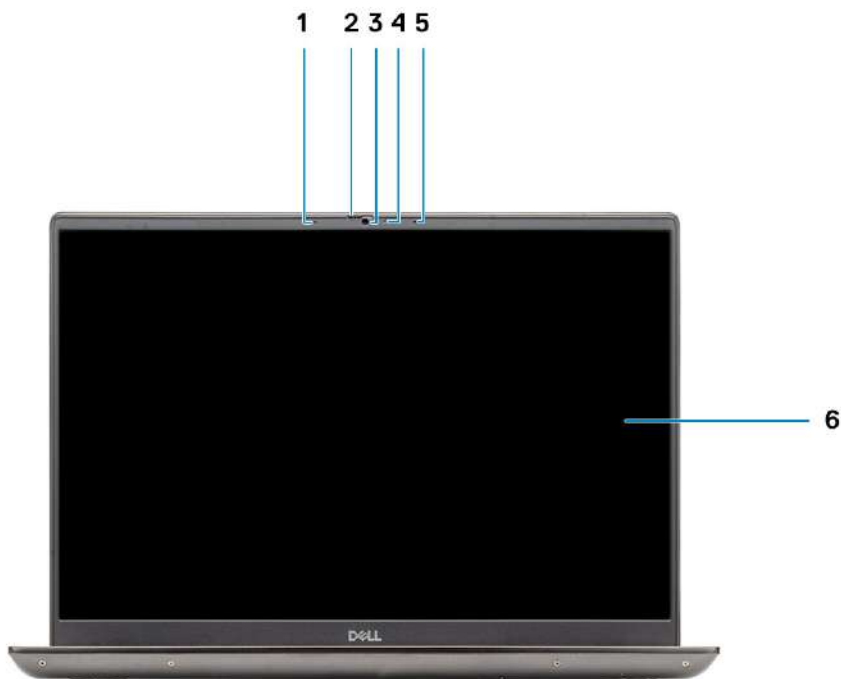
| Dell apps | Details |
|---|--|
|  | <p>Dell Product Registration Register your computer with Dell.</p> |
|  | <p>Dell Help & Support Access help and support for your computer.</p> |
|  | <p>SupportAssist Proactively checks the health of your computer’s hardware and software.  NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.</p> |
|  | <p>Dell Update Updates your computer with critical fixes and important device drivers as they become available.</p> |
|  | <p>Dell Digital Delivery Download software applications including software that is purchased but not pre-installed on your computer.</p> |

Chassis overview

Topics:

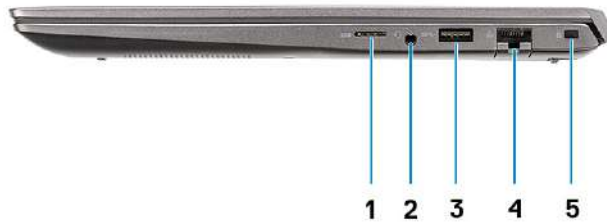
- Display view
- Right view
- Left view
- Palm-rest view
- Bottom view
- Keyboard shortcuts

Display view



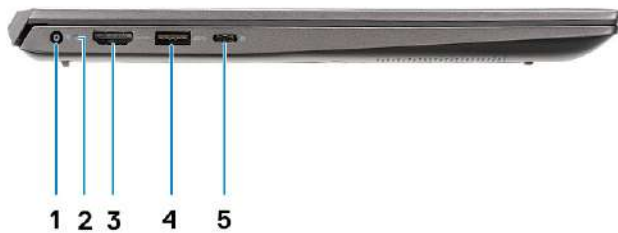
1. Microphone
2. Camera shutter
3. Camera
4. Camera-status light
5. Microphone
6. Display

Right view



1. microSD card reader
2. Universal audio jack port
3. USB 3.2 Gen 1 Type-A port
4. Network port
5. Wedge-shaped lock slot

Left view



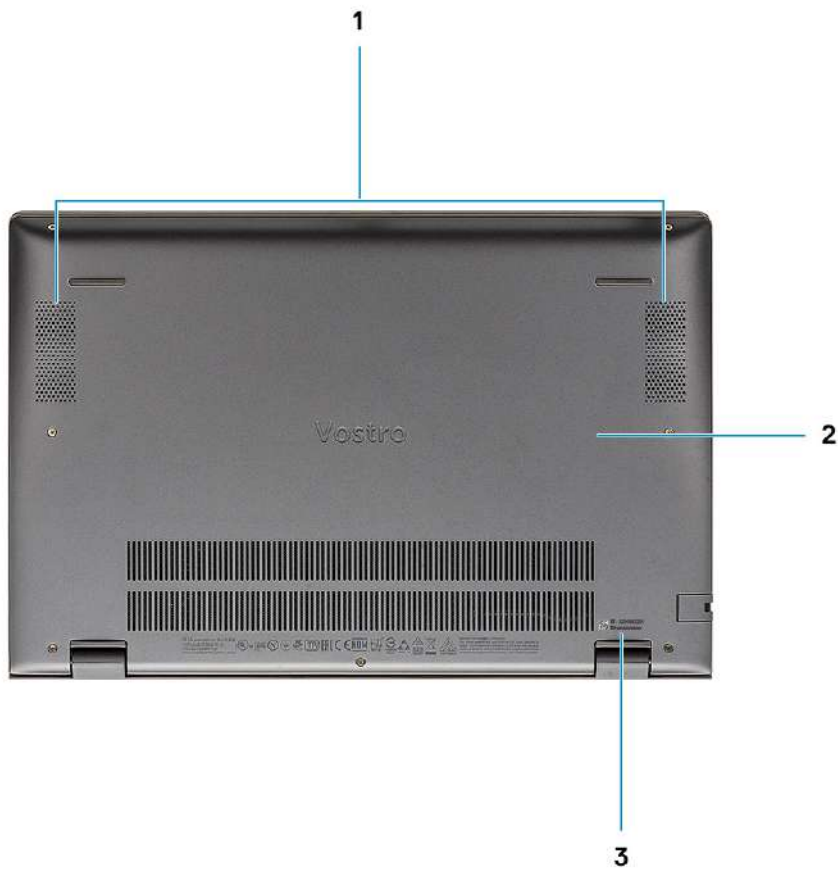
1. Power connector port
2. Power LED
3. HDMI 1.4b port
4. USB 3.2 Gen 1 Type-A port
5. USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery

Palm-rest view



1. Power button with optional fingerprint reader
2. Keyboard
3. Touchpad

Bottom view



1. Speakers
2. Base cover
3. Service tag label


Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for shortcuts remain the same across all language configurations.

Table 2. List of keyboard shortcuts

| Keys | Description |
|----------|--------------------|
| Fn + Esc | Toggle Fn-key lock |
| Fn + F1 | Mute audio |
| Fn + F2 | Decrease volume |
| Fn + F3 | Increase volume |
| Fn + F4 | Play/Pause |
| Fn + F5 | Keyboard backlight |

Table 2. List of keyboard shortcuts (continued)

| Keys | Description |
|-----------------|---|
| |  NOTE: Not applicable for non-backlight keyboard. |
| Fn + F6 | Decrease screen brightness |
| Fn + F7 | Increase screen brightness |
| Fn + F8 | External display |
| Fn + F10 | Print Screen |
| Fn + F11 | Home |
| Fn + F12 | End |
| Fn + Right Ctrl | Opens application menu |

System specifications

NOTE: Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information about the configuration of your computer, go to **Help and Support** in your Windows operating system and select the option to view information about your computer.

Topics:

- Processor
- Chipset
- Operating system
- Memory
- Storage
- Ports and connectors
- Audio
- Video
- Camera
- Communications
- Media-card reader
- Power adapter
- Battery
- Dimensions and weight
- Display
- Keyboard
- Touchpad
- Fingerprint reader (optional)
- Security
- Security Software
- Computer environment

Processor

The following table lists the details of the processors supported by your Vostro 5502.

Table 3. Processor

| Description | Option one | Option two | Option three |
|------------------------|---|--|--|
| Processor type | 11 th Generation Intel Core i3-115G4 | 11 th Generation Intel Core i5-1135G7 | 11 th Generation Intel Core i7-1165G7 |
| Processor wattage | 15 W | 15 W | 15 W |
| Processor core count | 2 | 4 | 4 |
| Processor thread count | 4 | 8 | 8 |
| Processor speed | 3 GHz to 4.1 GHz | 2.4 GHz to 4.2 GHz | 2.8 GHz to 4.7 GHz |
| Processor cache | 8 MB | 8 MB | 12 MB |
| Integrated graphics | Intel UHD Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics |

Chipset

The following table lists the details of the chipset supported by your Latitude 5320.

Table 4. Chipset

| Description | Values |
|----------------|---|
| Chipset | Integrated |
| Processor | 11 th Generation Intel Core i3/i5/i7 |
| DRAM bus width | 64-bit |
| Flash EPROM | 16 MB / 8 MB |
| PCIe bus | Up to Gen 3 |

Operating system

Your Vostro 5502 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Home National Academic, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Pro, 64-bit
- Ubuntu 18.04 LTS, 64-bit

Memory

Table 5. Memory specifications

| Description | Values |
|--------------------------|--|
| Slots | Two SO-DIMM slots |
| Type | DDR4 |
| Speed | 3200 MHz |
| Maximum memory | 32 GB |
| Minimum memory | 4 GB |
| Configurations supported | <ul style="list-style-type: none">• 4 GB, 1 x 4 GB, DDR4, 3200 MHz• 8 GB, 1 x 8 GB, DDR4, 3200 MHz• 8 GB, 2 x 4 GB, Dual-Channel DDR4, 3200 MHz• 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 3200 MHz• 16 GB, 1 x 16 GB, DDR4, 3200 MHz• 16 GB, 2 x 8 GB, Dual-Channel DDR4, 3200 MHz• 32 GB, 2 x 16 GB, Dual-Channel DDR4, 3200 MHz |

Storage

Your computer supports one of the following configurations:

- M.2 drive x1
- M.2 drive x2

The primary drive of your computer varies with the storage configuration. For computers with two M.2 drives, the SSD-1 M.2 drive is the primary drive.

NOTE: Vostro 5502 supports the following storage configurations:

- M.2 slot one: One PCIe Gen3 x4 NVMe solid-state drive (M.2 2230 or M.2 2280).
- M.2 slot two: One PCIe Gen3 x4 NVMe or SATA solid-state drive (M.2 2230 or M.2 2280) or one Intel Optane Memory H10 with solid state storage.

Table 6. Storage specifications

| Storage type | Interface type | Capacity |
|--|--------------------|----------------------------|
| M.2 2230 solid-state drive | Gen 3 PCIe x4 NVMe | 128 GB, 256 GB, 512 GB |
| M.2 2280 solid-state drive | Gen 3 PCIe x4 NVMe | 256 GB, 512 GB, 1 TB, 2 TB |
| M.2 2280, PCIe QLC NVMe, solid-state drive | Gen 3 PCIe x4 NVMe | 512 GB |
| M.2 2280, PCIe NVMe, Intel Optane Storage | Gen 3 PCIe x4 NVMe | 512 GB |

Ports and connectors

Table 7. External ports and connectors

| Description | Values |
|--------------------|--|
| External: | |
| Network | One RJ-45 port 10/100/1000 Mbps |
| USB | <ul style="list-style-type: none"> • One USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery • Two USB 3.2 Gen 1 Type-A ports |
| Audio | One Universal Audio Jack |
| Video | One HDMI 1.4b port |
| Media card reader | One microSD card reader |
| Docking port | USB dock either type-C or legacy type-A |
| Power adapter port | One 4.50 mm x 2.90 mm power-adapter port |
| Security | One wedge-shaped lock |

Table 8. Internal ports and connectors

| Description | Values |
|------------------|--|
| Internal: | |
| M.2 | <ul style="list-style-type: none"> • One M.2 2230 slot for Wi-Fi and Bluetooth card • One slot for PCIe Gen3 x4 NVMe solid-state drive (M.2 2230 or M.2 2280) • One slot for PCIe Gen3 x4 NVMe or SATA solid-state drive (M.2 2230 or M.2 2280) or one Intel Optane Memory H10 with Solid State Storage |

Table 8. Internal ports and connectors (continued)

| Description | Values |
|-------------|---|
| | <p>i NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.</p> <p>i NOTE: Hybrid Optane SSD can only be installed in SSD slot two and does not support dual TG.</p> |

Audio

Table 9. Audio specifications

| Description | Values | |
|----------------------------|------------------------------------|-------|
| Controller | Realtek ALC3204 | |
| Stereo conversion | Supported | |
| Internal interface | High definition audio | |
| External interface | Universal Audio Jack | |
| Speakers | Two | |
| Internal speaker amplifier | Supported (audio codec integrated) | |
| External volume controls | Keyboard shortcut controls | |
| Speaker output: | | |
| | Average | 2 W |
| | Peak | 2.5 W |
| Subwoofer output | Not supported | |
| Microphone | Dual-array microphones | |

Video

Table 10. Discrete graphics specifications

| Discrete graphics | | |
|----------------------|-------------|-------------|
| Controller | Memory size | Memory Type |
| NVIDIA GeForce MX330 | 2 GB | GDDR5 |
| NVIDIA GeForce MX350 | 2 GB | GDDR5 |

Table 11. Integrated graphics specifications

| Integrated graphics | | |
|---------------------|----------------------|---|
| Controller | Memory size | Processor |
| Intel UHD Graphics | Shared system memory | 11 th Generation Intel Core i3 |

Table 11. Integrated graphics specifications (continued)

| Integrated graphics | | |
|------------------------------------|----------------------|---|
| Controller | Memory size | Processor |
| Intel Iris X ^e Graphics | Shared system memory | 11 th Generation Intel Cor i5/i7 |

Camera

Table 12. Camera specifications

| Description | Values |
|------------------------|---------------------------|
| Number of cameras | One |
| Type | HD RGB camera |
| Location | Front camera |
| Sensor type | CMOS sensor technology |
| Resolution: | |
| Still image | 0.92 megapixel |
| Video | 1280 x 720 (HD) at 30 fps |
| Diagonal viewing angle | 74.90 degrees |

Communications

Ethernet

Table 13. Ethernet specifications

| Description | Values |
|---------------|------------------|
| Model number | Realtek RTL8111 |
| Transfer rate | 10/100/1000 Mbps |

Wireless module

Table 14. Wireless module specifications

| Description | Values | | |
|---------------------------|--|--|--|
| Model number | Intel Wireless-AC 9462 | Intel Wi-Fi 6 AX201 | Qualcomm QCA61x4A |
| Transfer rate | Up to 433 Mbps | Up to 2400 Mbps | Up to 867 Mbps |
| Frequency bands supported | 2.4 GHz/5 GHz | 2.4 GHz/5 GHz | 2.4 GHz/5 GHz |
| Wireless standards | <ul style="list-style-type: none"> Wi-Fi 802.11a/b/g Wi-Fi 4 (Wi-Fi 802.11n) Wi-Fi 5 (Wi-Fi 802.11ac) | <ul style="list-style-type: none"> Wi-Fi 802.11a/b/g Wi-Fi 4 (Wi-Fi 802.11n) Wi-Fi 5 (Wi-Fi 802.11ac) | <ul style="list-style-type: none"> Wi-Fi 802.11a/b/g Wi-Fi 802.11n Wi-Fi 802.11ac |

Table 14. Wireless module specifications (continued)

| Description | Values | | |
|-------------|--|--|--|
| | | <ul style="list-style-type: none"> Wi-Fi 6 (Wi-Fi 802.11ax) | |
| Encryption | <ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP | <ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP | <ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP |
| Bluetooth | Bluetooth 5.0 | Bluetooth 5.1 | Bluetooth 5.0 |

Media-card reader

Table 15. Media-card reader specifications

| Description | Values |
|-----------------|-------------------------|
| Type | One microSD card reader |
| Cards supported | Secure Digital (SD) |

Power adapter

Table 16. Power adapter specifications

| Description | Values | |
|-----------------------------|--------------------------------|--------------------------------|
| Type | 45 W | 65 W |
| Diameter (connector) | 4.5 mm x 2.9 mm | 4.5 mm x 2.9 mm |
| Input voltage | 100 VAC x 240 VAC | 100 VAC x 240 VAC |
| Input frequency | 50 Hz x 60 Hz | 50 Hz x 60 Hz |
| Input current (maximum) | 1.30 A | 1.60 A/1.70 A |
| Output current (continuous) | 2.31 A | 3.34 A |
| Rated output voltage | 19.50 VDC | 19.50 VDC |
| Temperature range: | | |
| Operating | 0°C to 40°C (32°F to 104°F) | 0°C to 40°C (32°F to 104°F) |
| Storage | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |

Battery

Table 17. Battery specifications

| Description | Values | |
|-------------|----------------------------------|----------------------------------|
| Type | 40 WHr, 3-cell Smart Lithium-ion | 53 WHr, 4-cell Smart Lithium-ion |
| Voltage | 11.25 VDC | 15.00 VDC |

Table 17. Battery specifications (continued)

| Description | | Values | |
|-----------------------------|-----------|--|--|
| Weight (maximum) | | 0.18 kg (0.40 lb) | 0.24 kg (0.53 lb) |
| Dimensions: | | | |
| | Height | 5.75 mm (0.23 in.) | 5.75 mm (0.23 in.) |
| | Width | 184.10 mm (7.25 in.) | 239.10 mm (9.41 in.) |
| | Depth | 90.73 mm (3.57 in.) | 90.73 mm (3.57 in.) |
| Temperature range: | | | |
| | Operating | 0°C to 35°C (32°F to 95°F) | 0°C to 35°C (32°F to 95°F) |
| | Storage | -40°C to 65°C (-40°F to 149°F) | -40°C to 65°C (-40°F to 149°F) |
| Operating time | | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |
| Charging time (approximate) | | 4 hours (when the computer is off) i NOTE: Control the charging time, duration, start and end time, and so on, using the Dell Power Manager application. For more information on the Dell Power Manager, see, <i>Me and My Dell</i> on www.dell.com/ | 4 hours (when the computer is off) i NOTE: Control the charging time, duration, start and end time, and so on, using the Dell Power Manager application. For more information on the Dell Power Manager, see, <i>Me and My Dell</i> on www.dell.com/ |
| Coin-cell battery | | 2032 | 2032 |
| Operating time | | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |

Dimensions and weight

Table 18. Dimensions and weight

| Description | | Values |
|-------------|-------|--|
| Height: | | |
| | Front | 14.15 mm (0.56 in.) |
| | Rear | 17.90 mm (0.70 in.) |
| Width | | 356.10 mm (14.02 in.) |
| Depth | | 234.50 mm (9.23 in.) |
| Weight | | 1.70 kg (3.75 lb) i NOTE: The weight of your computer depends on the configuration ordered and the manufacturing variability. |

Display

Table 19. Display specifications

| Description | | Values | |
|-----------------------------|----------|----------------------------|----------------------------|
| Type | | Full High Definition (FHD) | Full High Definition (FHD) |
| Panel technology | | Wide Viewing Angle (WVA) | Wide Viewing Angle (WVA) |
| Luminance (typical) | | 300 Nits | 220 Nits |
| Dimensions (Active area): | | | |
| | Height | 193.60 mm (7.62 in.) | 193.60 mm (7.62 in.) |
| | Width | 344.20 mm (13.55 in.) | 344.20 mm (13.55 in.) |
| | Diagonal | 396.24 mm (15.60 in.) | 396.24 mm (15.60 in.) |
| Native resolution | | 1920 x 1080 | 1920 x 1080 |
| Megapixels | | 2 | 2 |
| Color gamut | | 72% NTSC typical | 45% NTSC typical |
| Pixels per inch (PPI) | | 142 | 142 |
| Contrast ratio (min) | | 600:1 | 400:1 |
| Response time (max) | | 35 ms | 35 ms |
| Refresh rate | | 60 Hz | 60 Hz |
| Horizontal view angle | | 85 +/- degrees (typical) | 85 +/- degrees (typical) |
| Vertical view angle | | 85 +/- degrees (typical) | 85 +/- degrees (typical) |
| Pixel pitch | | 0.18 mm | 0.18 mm |
| Power consumption (maximum) | | 6.20 W | 4.20 W |
| Anti-glare vs glossy finish | | Anti-glare | Anti-glare |
| Touch options | | No | No |

Keyboard

Table 20. Keyboard specifications

| Description | Values |
|----------------|---|
| Type | Standard and backlit keyboard |
| Layout | QWERTY |
| Number of keys | <ul style="list-style-type: none"> • United States and Canada: 101 keys • United Kingdom: 102 keys • Japan: 105 keys |

Table 20. Keyboard specifications (continued)

| Description | Values |
|-------------|--|
| Size | X=18.70 mm key pitch Y=18.05 mm key pitch |

Touchpad

The following table lists the touchpad specifications of your Vostro 5502.

Table 21. Touchpad specifications

| Description | Values |
|----------------------|--|
| Touchpad resolution: | |
| Horizontal | 3512 |
| Vertical | 2442 |
| Touchpad dimensions: | |
| Horizontal | 115 mm (4.53 in.) |
| Vertical | 80 mm (3.15 in.) |
| Touchpad gestures | For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article 4027871 at support.microsoft.com . |

Fingerprint reader (optional)

Table 22. Fingerprint reader specifications

| Description | Values |
|-------------------|-------------------|
| Sensor technology | Capacitive |
| Sensor resolution | 500 PPI |
| Sensor area | 4.06 mm x 3.25 mm |
| Sensor pixel size | 80 x 64 Pixels |

Security

Table 23. Security specifications

| Features | Specifications |
|-----------------------------------|----------------------------|
| Trusted Platform Module (TPM) 2.0 | Integrated on system board |
| Fingerprint reader | Optional |
| Wedge-shaped lock slot | Standard |

Security Software

Table 24. Security Software specifications

| Specifications |
|---|
| McAfee Small Business Security 30-day Trial |
| McAfee Small Business Security 12-month subscription, Digitally Delivered |
| McAfee Small Business Security 24-month subscription, Digitally Delivered |
| McAfee Small Business Security 36-month subscription, Digitally Delivered |

Computer environment

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 25. Computer environment

| Description | Operating | Storage |
|-----------------------------|--|--|
| Temperature range | 0°C to 35°C (32°F to 95°F) | -40°C to 65°C (-40°F to 149°F) |
| Relative humidity (maximum) | 10% to 90% (non-condensing) | 0% to 95% (non-condensing) |
| Vibration (maximum)* | 0.66 GRMS | 1.30 GRMS |
| Shock (maximum) | 110 G† | 160 G† |
| Altitude (maximum) | -15.2 m to 3048 m (4.64 ft to 5518.4 ft) | -15.2 m to 10668 m (4.64 ft to 19234.4 ft) |

* Measured using a random vibration spectrum that simulates user environment.



† Measured using a 2 ms half-sine pulse when the hard drive is in use.

Getting help and contacting Dell

Self-help resources


You can get information and help on Dell products and services using these self-help resources:


Table 26. Self-help resources

| Self-help resources | Resource location |
|---|--|
| Information about Dell products and services | www.dell.com |
| My Dell app |  |
| Tips |  |
| Contact Support | In Windows search, type <code>Contact Support</code> , and press Enter. |
| Online help for operating system | www.dell.com/support/windows |
| Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents. | Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer . |
| Dell knowledge base articles for a variety of computer concerns | <ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles. |

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

 **NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

 **NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.