

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)

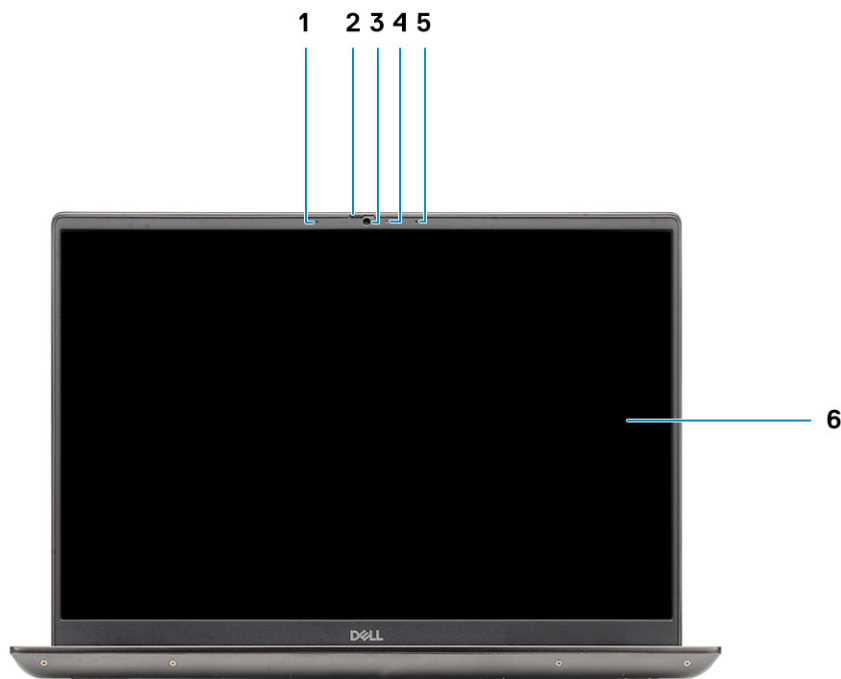
Dell apps	Details
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.
	SupportAssist Proactively checks the health of your computer's hardware and software.  NOTE: Renew or upgrade your warranty by clicking the warranty expiry date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

Chassis overview

Topics:

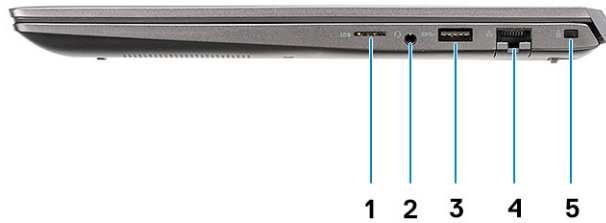
- [Display view](#)
- [Right view](#)
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- [Palm-rest view](#)
- [Bottom view](#)
- [Keyboard shortcuts](#)

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



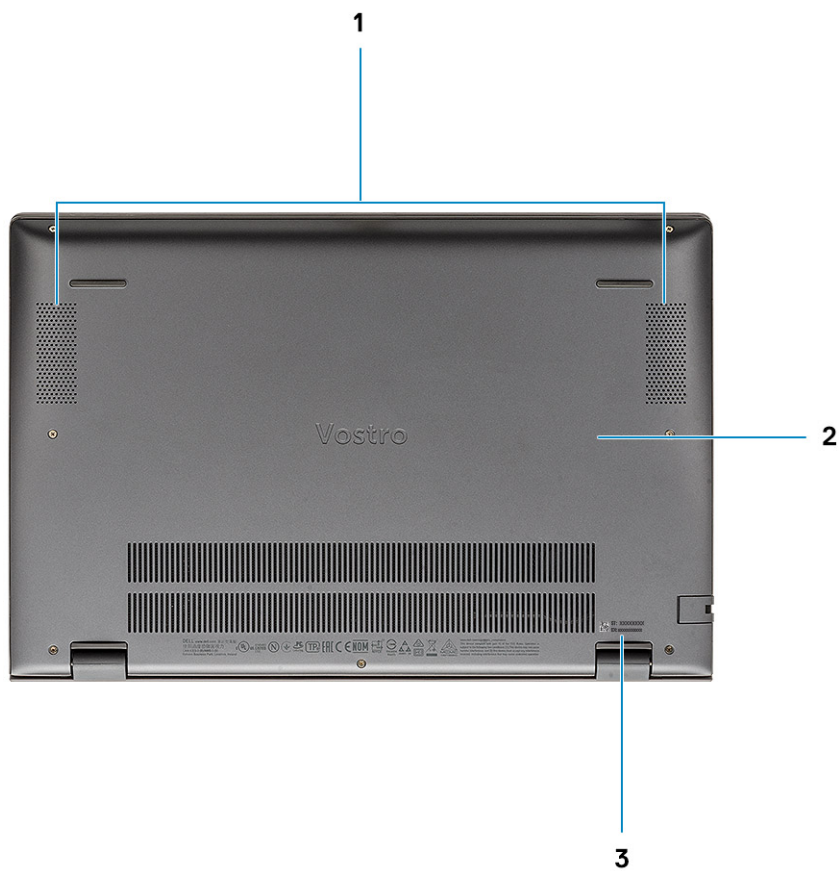
1. Power connector port
2. Power LED
3. HDMI 1.4b port
4. USB 3.2 Gen 1 Type-A port
5. USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery

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](#)
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- [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> NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.</p> <p> 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>i</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>i</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>i</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.	<p>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.</p> <p>For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer.</p>
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.