


Vostro 16 5630

Setup and Specifications

LaptopVANG.com

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.

LaptopVANG.com

Contents

Chapter 1: Set up your Vostro 16 5630.....	4
Chapter 2: Views of Vostro 16 5630.....	6
Right.....	6
Left.....	6
Top.....	7
Front.....	8
Bottom.....	9
Service Tag.....	10
Chapter 3: Specifications of Vostro 16 5630.....	11
Dimensions and weight.....	11
Processor.....	11
Chipset.....	12
Operating system.....	12
Memory.....	12
External ports.....	13
Internal slots.....	13
Communications.....	13
Audio.....	14
Camera.....	15
Storage.....	15
Media-card reader.....	16
Keyboard.....	16
Touchpad.....	16
Power adapter.....	17
Battery.....	17
Display.....	18
Fingerprint reader (optional).....	19
GPU—Integrated.....	19
GPU—Discrete.....	20
Operating and storage environment.....	20
Chapter 4: ComfortView Plus.....	21
Chapter 5: ComfortView.....	22
Chapter 6: Keyboard shortcuts.....	23
Chapter 7: Getting help and contacting Dell.....	25

Set up your Vostro 16 5630

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

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.

2. Finish operating system setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends 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







Resources	Description
	<p>Dell Product Registration</p> <p>Register your computer with Dell.</p>

Table 1. Locate Dell apps (continued)

Resources	Description
	<p>Dell Help & Support Access help and support for your computer.</p>
	<p>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.</p>
	<p>SupportAssist SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>

Views of Vostro 16 5630

Right



1. SD-card slot

Reads from and writes to the SD card. The computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

2. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

3. Network port

Connect an Ethernet (RJ-45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

4. Universal audio jack

Connect headphones or a headset (headphone and microphone combo).

5. Security-cable slot (wedge-shaped)

Connect a security cable to prevent unauthorized movement of your computer.

Left



1. Power-adaptor port

Connect a power adapter to provide power to your computer and charge the battery.

2. Power and battery-status light

Indicates the power state and battery state of the computer.

Solid white—Power adapter is connected and the battery is charging.

Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

NOTE: On certain computer models, the power and battery-status light are also used for diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

3. HDMI 1.4 port

Connect to a TV, external display or another HDMI-in enabled device. Provides video and audio output.

4. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

5. Thunderbolt 4.0 port with Power Delivery and DisplayPort

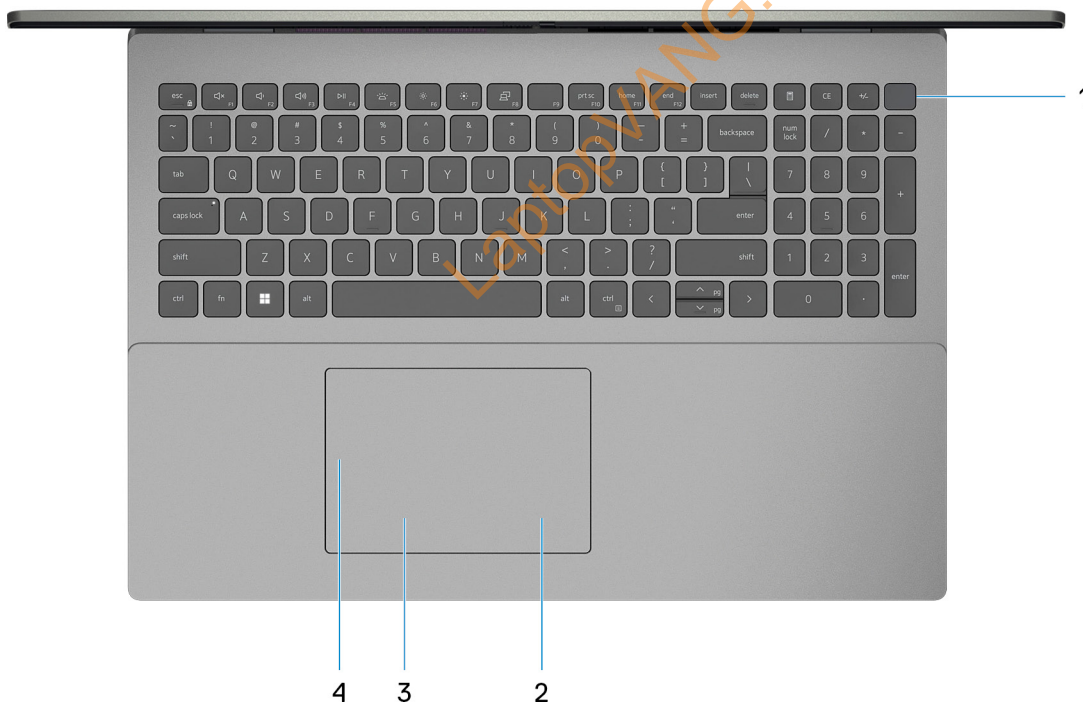
Supports DisplayPort 1.4, Thunderbolt 4.0 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for Thunderbolt 4.0.

NOTE: You can connect a Dell Docking Station to the Thunderbolt 4.0 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

NOTE: Thunderbolt 4.0 supports two 4K displays or one 8K display.

Top

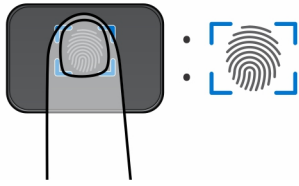


1. Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10 seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.



i **NOTE:** The highlighted area indicates the actual active fingerprint reader area and the image is for illustration purposes only.

i **NOTE:** The power-status light on the power button is available only on computers without the fingerprint reader. Computers that are shipped with the fingerprint reader that is integrated on the power button will not have the power-status light on the power button.

i **NOTE:** To reset the battery, press and hold the power button for 25 seconds.

2. Right-click area

Press to right-click.

i **NOTE:** The right-click area is enabled when you touch the touchpad.

3. Left-click area

Press to left-click.

i **NOTE:** The left-click area is enabled when you touch the touchpad.

4. Precision touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two fingers tap to right-click.

Front



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Privacy shutter

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

3. Camera

Enables you to video chat, capture photos, and record videos.

4. Camera-status light

Turns on when the camera is in use.

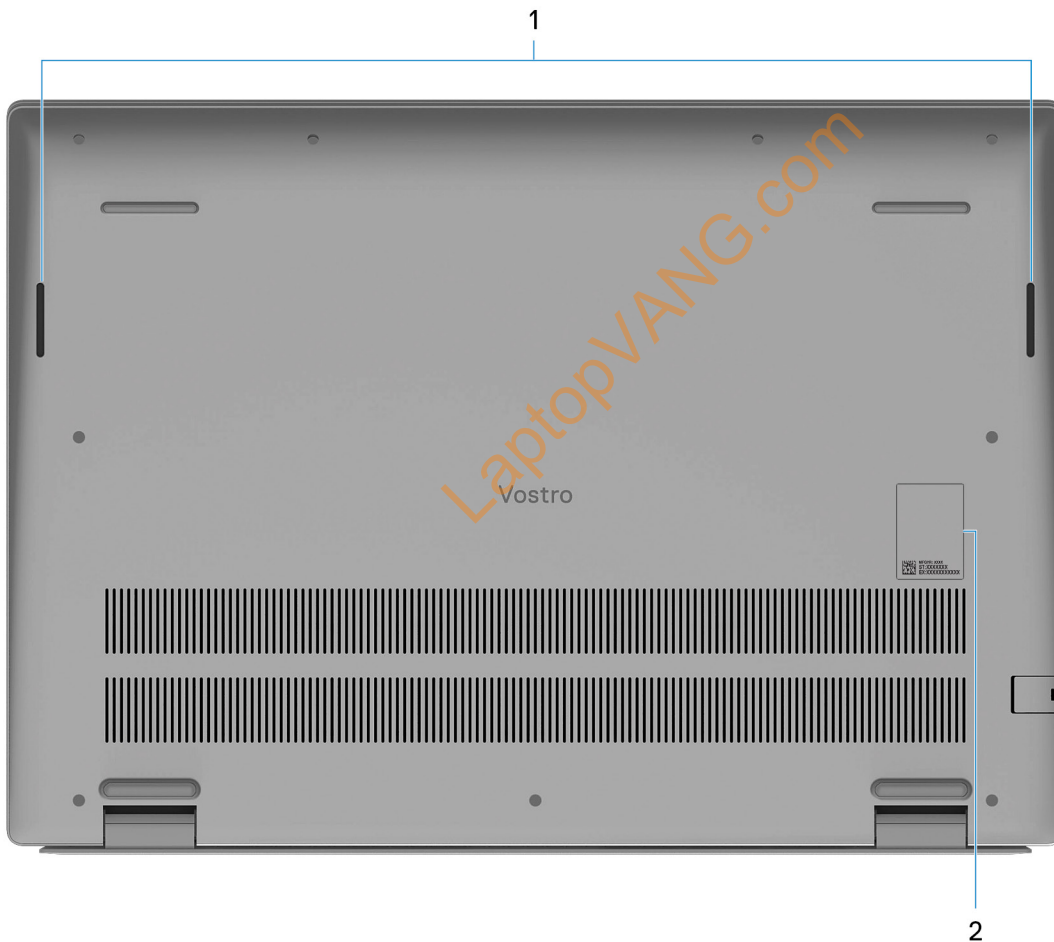
5. Right microphone

Provides digital sound input for audio recording and voice calls.

6. LCD panel

Provides visual output to the user.

Bottom



1. Speakers

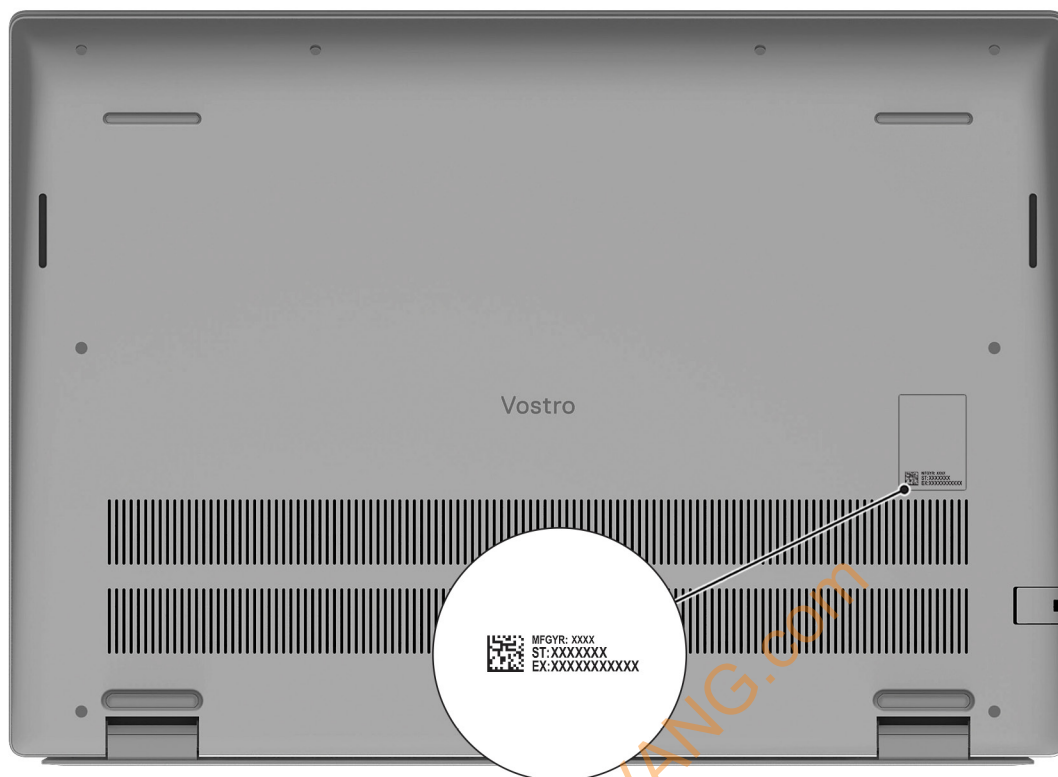
Provide audio output.

2. Service Tag and regulatory labels

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information. The regulatory label contains regulatory information of your computer.

Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.




Specifications of Vostro 16 5630

Dimensions and weight

The following table lists the height, width, depth, and weight of your Vostro 16 5630.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	15.67 mm (0.62 in.)
Rear height	17.95 mm (0.71 in.)
Width	356.78 mm (14.05 in.)
Depth	251.90 mm (9.92 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.90 kg (4.19 lb maximum)

Processor

The following table lists the details of the processors supported by your Vostro 16 5630.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	13 th Generation Intel Core i5-1335U	13 th Generation Intel Core i7-1355U	13 th Generation Intel Core i5-1340P
Processor wattage	15 W	15 W	15 W
Processor core count	10 (2 +8)	10 (2 +8)	10 (2 +8)
Processor thread count	12	12	12
Processor speed	Up to 4.60 GHz	Up to 5 GHz	Up to 4.60 GHz
Processor cache	12 MB	12 MB	12 MB
Integrated graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Iris X ^e Graphics

Chipset

The following table lists the details of the chipset supported by your Vostro 16 5630.

Table 4. Chipset

Description	Values
Chipset	Integrated in processor
Processor	13 th Generation Intel Core i5/i7
DRAM bus width	64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 4

Operating system

Your Vostro 16 5630 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro National Education, 64-bit
- Windows 11 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Home, 64-bit

Memory

The following table lists the memory specifications of your Vostro 16 5630.

Table 5. Memory specifications

Description	Values
Memory slots	Two memory modules integrated with the system board
Memory type	Dual-channel LPDDR5 and LPDDR5x
Memory speed	4800 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory size per slot	4 GB, 8 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB, 2 x 4 GB, LPDDR5/LPDDR5x, 4800 MHz, dual-channel• 16 GB, 2 x 8 GB, LPDDR5/LPDDR5x, 4800 MHz, dual-channel

External ports

The following table lists the external ports of your Vostro 16 5630.

Table 6. External ports

Description	Values
Network port	One RJ-45 port
USB ports	<ul style="list-style-type: none">One Thunderbolt™ 4 port with DisplayPort™ and Power DeliveryTwo USB 3.2 Gen 1 ports
Audio port	One Universal headset jack
Video port	One HDMI 1.4 port
Media-card reader	One SD-card slot
Power-adaptor port	<ul style="list-style-type: none">One 4.50 mm x 2.90 mm DC-in
Security-cable slot	One security cable slot (wedge-shaped)

Internal slots

The following table lists the internal slots of your Vostro 16 5630.

Table 7. Internal slots

Description	Values
M.2	<ul style="list-style-type: none">One M.2 2230 slot for solid-state driveOne M.2 2230/2280 slot for solid-state drive <p>NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support.</p>

Communications

Ethernet

Table 8. Ethernet specifications

Description	Values
Model number	RTL8111H-CG
Transfer rate	10/100/1000 Mbps

Wireless module

Table 9. Wireless module specifications

Description	Values	
Model number	Intel AX211	Intel AX201
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> • WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (802.11ax) 	<ul style="list-style-type: none"> • WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6 (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
Bluetooth	Bluetooth 5.3 ⓘ NOTE: Particular versions of Microsoft Windows may not support the full Bluetooth 5.3 functionality	Bluetooth 5.2

Audio

The following table lists the audio specifications of your Vostro 16 5630.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3254
Stereo conversion	Supported
Internal audio interface	High definition audio interface
External audio interface	Universal Audio Jack
Number of speakers	2
Internal-speaker amplifier	Supported
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	2 W x 2 = 4 W
Peak speaker output	2.5 W x 2 = 5 W
Subwoofer output	Not supported
Microphone	Digital-array microphones

Camera

The following table lists the camera specifications of your Vostro 16 5630.

Table 11. Camera specifications

Description		Values
Number of cameras		One
Camera type		RGB FHD Camera
Camera location		Front camera
Camera sensor type		CMOS-sensor technology
Camera resolution:		
	Still image	2.03 megapixel
	Video	1920 x 1080 (HD) at 30 fps
Diagonal viewing angle:		82 degrees

Storage

This section lists the storage options on your Vostro 16 5630.

Your Vostro 16 5630 supports one of the following storage configurations:

- One M.2 2230 solid-state drive
- One M.2 2280 solid-state drive

The primary drive of your Inspiron16 5630 is the M.2 drive where your operating system is installed.


Table 12. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe Gen3.0x4 NVMe, up to 32 Gbps	Up to 1 TB
M.2 2230 solid-state drive	PCIe Gen4.0x4 NVMe, up to 64 Gbps	Up to 1 TB
M.2 2280 solid-state drive	PCIe Gen4.0x4 NVMe, up to 64 Gbps	Up to 2 TB
M.2 2280 solid-state drive	PCIe Gen3.0x4 NVMe QLC, up to 32 Gbps	Up to 1 TB
M.2 2280 solid-state drive	PCIe Gen4.0x4 NVMe, up to 64 Gbps	Up to 2 TB
M.2 2280 solid-state drive	PCIe Gen3.0x4 NVMe QLC, up to 32 Gbps	Up to 1 TB

Media-card reader

The following table lists the media cards supported by your Vostro 16 5630.


Table 13. Media-card reader specifications

Description	Values
Media-card type	One SD card slot
Media-cards supported	<ul style="list-style-type: none">Secure Digital (SD)Secure Digital High Capacity (SDHC)Secure Digital Extended Capacity (SDXC)
 NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Keyboard

The following table lists the keyboard specifications of your Vostro 16 5630.

Table 14. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none">Backlit keyboard with NumpadStandard keyboard with Numpad
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">United States and Canada: 99 keysUnited Kingdom: 100 keysJapan: 103 keys
Keyboard size	X=18.70 mm mm key pitch Y=18.05 mm mm key pitch
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p> NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.</p> <p>For more information, see Keyboard shortcuts.</p>

Touchpad

The following table lists the touchpad specifications of your Vostro 16 5630.

Table 15. Touchpad specifications

Description	Values
Touchpad resolution:	>300 DPI


Table 15. Touchpad specifications (continued)

Description		Values
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 at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your Vostro 16 5630.

Table 16. Power adapter specifications

Description		Values
Type		65 W AC adapter, 4.50 mm barrel type
Connector dimensions:		
	External diameter	4.50 mm
	Internal diameter	2.90 mm
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz
Input current (maximum)		1.60 A/1.70 A
Output current (continuous)		3.34 A
Rated output voltage		19.50 VDC
Temperature range:		
	Operating	0°C to 40°C (32°F to 104°F)
	Storage	-40°C to 70°C (-40°F to 158°F)
 CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		



Battery

The following table lists the battery specifications of your Vostro 16 5630.

Table 17. Battery specifications

Description	Values
Battery type	4-cell polymer (54 Wh), Li-ion battery
Battery voltage	15 V

Table 17. Battery specifications (continued)

Description		Values
Battery weight (maximum)		0.24 kg (0.53 lb)
Battery dimensions:		
	Height	271.90 mm
	Width	82 mm
	Depth	5.75 mm
Temperature range:		
	Operating	0°C to 50°C (32°F to 122°F)
	Storage	-20°C to 60°C (-4°F to 140°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)		2hr (Express charge), 3hr (Standard charge) hours (when the computer is off)
 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		CR2032
 CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

Display

The following table lists the display specifications of your Vostro 16 5630.

Table 18. Display specifications

Description	Option one	Option two	Option three
Display type	Full High Definition (FHD+), ComfortView	Full High Definition (FHD+), ComfortView Plus	2.5K, ComfortView Plus
Touch options	No	No	No
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):			
	Height	215.42 mm (8.48 in.)	215.42 mm (8.48 in.)
	Width	344.68 mm (13.57 in.)	344.68 mm (13.57 in.)
	Diagonal	406.46 mm (16 in.)	406.46 mm (16 in.)
Display-panel native resolution	1920 x 1200	1920 x 1200	2560 x 1600
Luminance (typical)	250 nits	300 nits	300 nits

Table 18. Display specifications (continued)

Description	Option one	Option two	Option three
Megapixels	2.30	2.30	4.09
Color gamut	NTSC 45%	sRGB 100%, typical	sRGB 100%, typical
Pixels Per Inch (PPI)	141	141	189
Contrast ratio (typical)	<ul style="list-style-type: none"> 800:1 (minimum) 1000:1 (typical) 	<ul style="list-style-type: none"> 1000:1 (minimum) 1200:1 (typical) 	<ul style="list-style-type: none"> 1000:1 (minimum) 1200:1 (typical)
Response time (max)	35 ms	35 ms	35 ms
Refresh rate	60 Hz	60 Hz	120 Hz
Horizontal view angle	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum 	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum 	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum
Vertical view angle	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum 	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum 	<ul style="list-style-type: none"> +/- 85 degrees, typical +/- 80 degrees, minimum
Pixel pitch	0.18 mm	0.18 mm	0.13 mm
Power consumption (maximum)	4.15 W	4.40 W	4 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Vostro 16 5630.

Table 19. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Trans-capacitive sensing
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88 pixels

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Vostro 16 5630.

Table 20. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics	<ul style="list-style-type: none"> One HDMI 1.4 port One Thunderbolt 4 port with DisplayPort and Power Delivery 	Shared system memory	13 th Generation Intel Core i5/i7
Intel Iris X ^e Graphics	<ul style="list-style-type: none"> One HDMI 1.4 port 	Shared system memory	13 th Generation Intel Core i5/i7

Table 20. GPU—Integrated (continued)

Controller	External display support	Memory size	Processor
<p>i NOTE: Intel Iris Xe Graphics will default to Intel UHD Graphics on computers with single-channel memory configuration.</p>	<ul style="list-style-type: none"> One Thunderbolt 4 port with DisplayPort and Power Delivery 		

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Vostro 16 5630.

Table 21. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce RTX 2050 Ti	4 GB	GDDR6

Operating and storage environment

This table lists the operating and storage specifications of your Vostro 16 5630.

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

Table 22. 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 range	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 ft)

⚠ CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.

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

† Measured using a 2 ms half-sine pulse.