


Vostro 16 5640

Owner's Manual

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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Views of Vostro 16 5640

Right



Figure 1. Right view

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. Universal audio port

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

3. USB 3.2 Gen 1 (5 Gbps) port

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

4. Network port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

5. Wedge-shaped lock slot

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

Left



Figure 2. Left view

1. Power-adaptor port (primary power)

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 computers, the power and battery-status light is also used for diagnostics. For more information, see the *Troubleshooting* section in the *Owner's Manual* of your computer.

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 (5 Gbps) port

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

5. USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort AltMode 1.4 and Power Delivery port

Connect devices such as external storage devices, printers, and external displays. Provides data transfer rate of up to 10 Gbps.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

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

Top

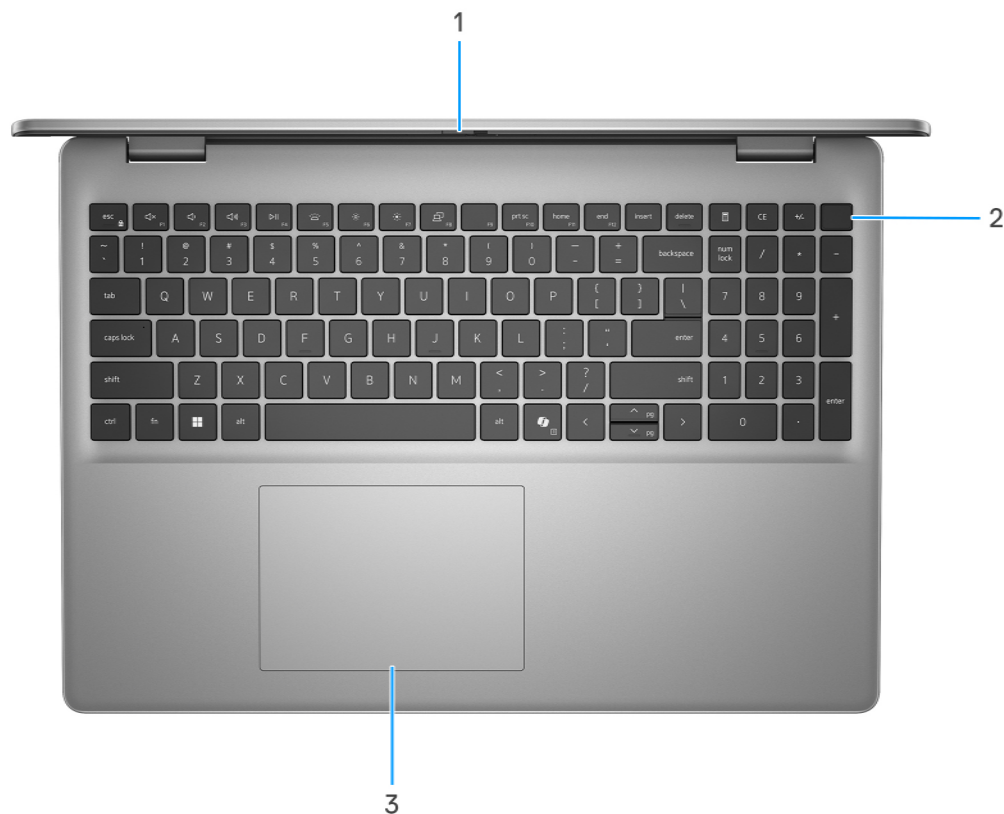


Figure 3. Top view

1. Privacy shutter

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

2. 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 ten 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.

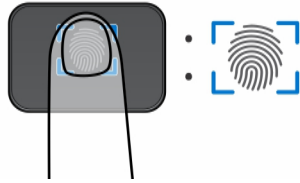


Figure 4. Active fingerprint reader area

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

NOTE: You can customize power-button behavior in Windows. For more information, see [Manuals on Dell Site](#).

3. Touchpad

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

Front

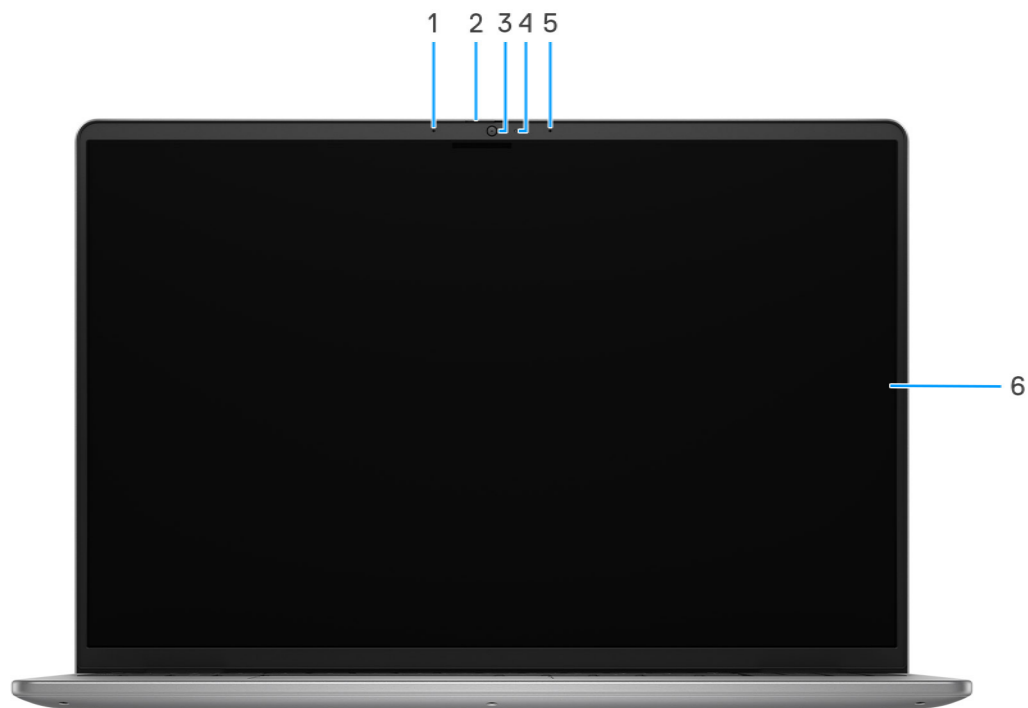


Figure 5. Front view

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. Display

Provides visual output.

Bottom

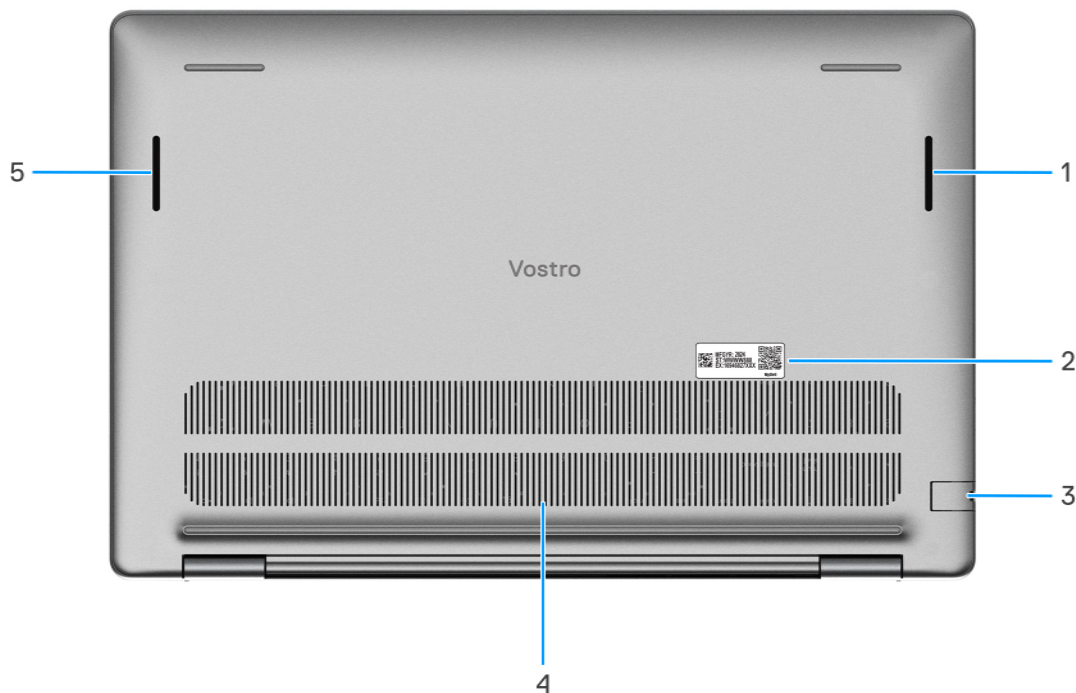


Figure 6. Bottom view

1. Right speaker

Provides audio output.

2. Service Tag label

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.

3. Network port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

4. Air vents

Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer's performance and potentially cause hardware issues. Keep the air vents clear of obstructions and clean them regularly to prevent the build-up of dust and dirt. For more information about cleaning air vents, search for articles in the Knowledge Base Resource at www.dell.com/support.

5. **Left speaker**

Provides audio output.

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.

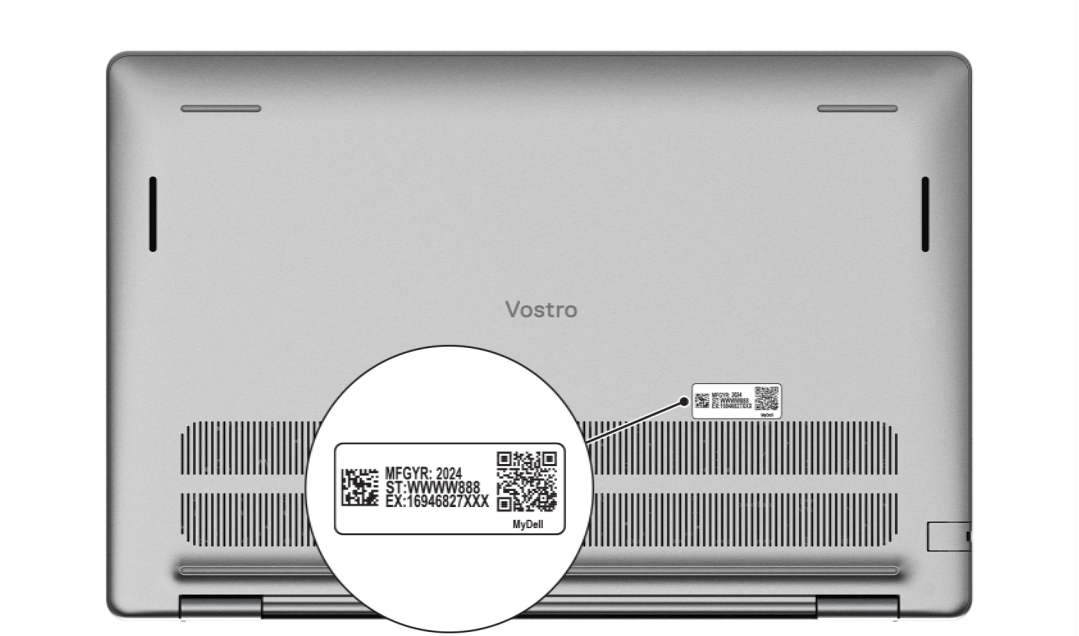


Figure 7. Service Tag

Battery charge and status light

The following table lists the battery charge and status light behavior of your Vostro 16 5640.

Table 1. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Solid White	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	11-100%
Battery	Solid Amber (590+/-3 nm)	S0 - S5	< 10%

- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, except for a trickle power. The context data is written to a hard drive.
- S5 (OFF) - The system is in a shutdown state.

Set up your Vostro 16 5640

About this task

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

Steps

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



NOTE: The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

2. Finish the operating system setup.

For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at [Dell Support Site](#).

For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies 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 2. Locate Dell apps in Windows in S-mode





Resources	Description
 <p>Figure 8. Dell Product Registration</p>	<p>Dell Product Registration</p> <p>Register your computer with Dell.</p>
 <p>Figure 9. Dell Help & Support</p>	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>
 <p>Figure 10. SupportAssist</p>	<p>SupportAssist</p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at SupportAssist for Home PCs.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Table 3. Locate Dell apps in Windows






Resources	Description
 <p>Figure 11. My Dell</p>	<p>My Dell</p> <p>MyDell is a software application that offers you a single streamlined engagement platform including account access, device information, and hardware settings. This software delivers intelligent features that automatically fine-tune your computer for the best possible audio, power, and performance. Get the most out of your Dell device with intelligent, personalized technology from MyDell. Following are the key features of MyDell:</p> <ul style="list-style-type: none"> • Application • Audio • Power • Color and Display • Presence detection <p>For more information about how to use MyDell, see product guides at Dell Support Site.</p>
 <p>Figure 12. Dell Update</p>	<p>Dell Update</p> <p>Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the product guides and third-party license documents at Dell Support Site.</p>

Table 3. Locate Dell apps in Windows (continued)


Resources	Description
 <p>Figure 13. Dell Digital Delivery</p>	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information about using Dell Digital Delivery, search in the Knowledge Base Resource at Dell Support Site.</p>
 <p>Figure 14. Support Assist</p>	<p>SupportAssist</p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at SupportAssist for Home PCs.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Specifications of Vostro 16 5640

Dimensions and weight

The following table lists the height, width, depth, and weight of your Vostro 16 5640.

Table 4. Dimensions and weight

Description	Values
Height:	
Front height	16.18 mm (0.64 in.)
Rear height	17.37 mm (0.68 in.)
Maximum height	19.05 mm (0.75 in.)
Width	356.78 mm (14.05 in.)
Depth	249.52 mm (9.82 in.)
Weight  NOTE: The weight of your computer depends on the configuration that is ordered and manufacturing variability.	<ul style="list-style-type: none"> Minimum: 1.87 kg (4.12 lb) Maximum: 1.93 kg (4.25 lb)

Processor

The following table lists the details of the processors that are supported for your Vostro 16 5640.

Table 5. Processor



Description	Option one	Option two	Option three
Processor type	Intel Core 5 1334U	Intel Core 5 120U	Intel Core 7 150U
Processor wattage	15 W	15 W	15 W
Processor total core count	10	10	10
Performance-cores	2	2	2
Efficient-cores	8	8	8
Processor total thread count  NOTE: Intel Hyper-Threading Technology is only available on Performance-cores.	12	12	12
Processor speed	Up to 4.60 GHz	up to 5 GHz	Up to 5.40 GHz
Performance-cores frequency			

Table 5. Processor (continued)

Description		Option one	Option two	Option three
	Processor base frequency	1.30 GHz	1.40 GHz	1.80 GHz
	Maximum turbo frequency	4.60 GHz	5 GHz	5.40 GHz
Efficient-cores frequency				
	Processor base frequency	0.90 GHz	0.90 GHz	1.20 GHz
	Maximum turbo frequency	3.40 GHz	3.80 GHz	4 GHz
Thermal Mode/Thermal Design Power (TDP)				
	Cool	10 W	10 W	10 W
	Optimized	15 W	15 W	15 W
	Quiet	10 W	10 W	10 W
	Ultra Performance	17 W	17 W	17 W
 NOTE: Processor clock speeds and thermal design power differ according to the thermal mode selected in the My Dell app on your computer.				
	Processor cache	12 MB	12 MB	12 MB
	Integrated graphics	Intel Graphics	Intel Graphics	Intel Graphics

Chipset

The following table lists the details of the chipset that is supported for your Vostro 16 5640.

Table 6. Chipset

Description	Values
Chipset	Integrated with the processor
Processor	<ul style="list-style-type: none"> Intel Core 5 120U Intel Core 5 1334U Intel Core 7 150U
DRAM bus width	Two channels, 64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

Operating system

Your Vostro 16 5640 supports the following operating systems:

- Windows 11 Home
- Windows 11 Home (S Mode)
- Windows 11 Pro
- Windows 11 Pro National Academic
- Ubuntu Linux 22.04 LTS

Memory

The following table lists the memory specifications of your Vostro 16 5640.

Table 7. Memory specifications

Description	Values
Memory slots	Two SODIMM
Memory type	DDR5
Memory speed	5200 MT/s
Maximum memory configuration	32 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB, 16 GB, or 24 GB
Memory configurations supported	<ul style="list-style-type: none">• 8 GB: 1 x 8 GB, DDR5, 5200 MT/s, single-channel• 16 GB: 2 x 8 GB, DDR5, 5200 MT/s, dual-channel• 24 GB: 1 x 8 GB + 1 x 16 GB, DDR5, 5200 MT/s, dual-channel• 32 GB: 2 x 16 GB, DDR5, 5200 MT/s, dual-channel

External ports

The following table lists the external ports of your Vostro 16 5640.


Table 8. External ports

Description	Values
Network port	One RJ45 port
USB ports	<ul style="list-style-type: none">• Two USB 3.2 Gen 1 (5 Gbps) ports• One USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort AltMode1.4 and PowerDelivery port
Audio port	One Universal Audio jack
Video port	<ul style="list-style-type: none">• One HDMI 1.4 port• One USB 3.2 Gen 2 (10 Gbps) Type-C with DisplayPort AltMode1.4 and PowerDelivery port
Media-card reader	One SD-card slot
Power-adaptor port	One power-adaptor port
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Vostro 16 5640.

Table 9. Internal slots

Description	Values
M.2	<ul style="list-style-type: none">One M.2 2230 slot for Wi-Fi and Bluetooth combo cardOne M.2 2230 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 Dell Support Site.</p>

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Vostro 16 5640.


Table 10. Ethernet specifications

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

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your Vostro 16 5640.

Table 11. Wireless module specifications

Description	Values
Model number	Realtek RTL8852BE
Transfer rate	1201 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none">Wi-Fi 802.11a/b/gWi-Fi 4 (WiFi 802.11n)Wi-Fi 5 (WiFi 802.11ac)Wi-Fi 6 (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none">64-bit/128-bit WEPAES-CCMPTKIP
Bluetooth wireless card	Bluetooth 5.3
	<p> NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.</p>

Audio

The following table lists the audio specifications of your Vostro 16 5640.

Table 12. Audio specifications

Description		Values
Audio controller		Realtek ALC3254
Stereo conversion		Supported
Internal audio interface		High definition audio interface
External audio interface		One Universal Audio port
Number of speakers		2 W per channel
Internal-speaker amplifier		Supported
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		<ul style="list-style-type: none">• Single integrated microphone (for computers shipped with a plastic chassis)• Dual-array microphones (for computers shipped with an aluminum chassis)

Storage

This section lists the storage options on your Vostro 16 5640.

Your Vostro 16 5640 supports only one M.2 2230 solid-state drive.

Table 13. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 PCIe NVMe Class 35 solid-state drive	Gen4 PCIe NVMe	Up to 1 TB
M.2 2230 PCIe NVMe Class 25 solid-state drive	Gen4 PCIe NVMe	Up to 1 TB


Media-card reader

The following table lists the media cards that are supported on your Vostro 16 5640.

Table 14. Media-card reader specifications

Description	Values
Media-card type	One SD card slot


Table 14. Media-card reader specifications (continued)

Description	Values
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 that is supported by the media-card reader varies depending on the standard of the media card that is installed on your computer.	


Keyboard

The following table lists the keyboard specifications of your Vostro 16 5640.

Table 15. Keyboard specifications

Description	Values
Keyboard type	Standard AI hotkey backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">English International, Arabic, Chinese (Traditional), Greek, Hebrew, Ukrainian: 99 keysCzech/Slovakian (MUI), English UK, Nordic (MUI), Slovenian: 100 keys
Keyboard size	X= 18.70 mm key pitch Y= 18.05 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>  NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.

Keyboard function keys

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

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol that is shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol that is shown on the upper part of the key is typed out. For example, if you press 2, **2** is typed out; if you press Shift + 2, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multimedia control, as indicated by the icon on the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (see the table below).

However, if the function keys F1-F12 are needed for specific software applications, multimedia functionality can be disabled by pressing Fn + Esc. Later, multimedia control can be invoked by pressing Fn and the respective function key. For example, mute audio by pressing Fn + F1.

Table 16. Primary behavior of function keys

Function key	Primary behavior
F1	Mute/unmute audio
F2	Decrease audio volume
F3	Increase audio volume
F4	Play or pause media file
F5	Turn on or turn off keyboard backlight
F6	Decrease display brightness
F7	Increase display brightness
F8	Switch to an external display
F10	Print screen (Screen capture)
F11	Home
F12	End

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 17. Secondary behavior

Function key	Secondary behavior
Fn + F1	Operating system and application-specific F1 behavior
Fn + F2	Operating system and application-specific F2 behavior
Fn + F3	Operating system and application-specific F3 behavior
Fn + F4	Operating system and application-specific F4 behavior
Fn + F5	Operating system and application-specific F5 behavior
Fn + F6	Operating system and application-specific F6 behavior
Fn + F8	Operating system and application-specific F8 behavior
Fn + F9	Operating system and application-specific F9 behavior
Fn + F10	Operating system and application-specific F10 behavior
Fn + F11	Operating system and application-specific F11 behavior
Fn + F12	Operating system and application-specific F12 behavior
Fn + B	Pause or Break
Fn + S	Toggle scroll lock
Fn + R	System request
Fn + Ctrl	Open the application menu
Fn + Esc	Toggle between multimedia and function key behavior on and off
Fn + PgUp	Scroll up the document or page
Fn + PgDn	Scroll down the document or page
Fn + left arrow	Home (move to the beginning of the document)
Fn + right arrow	End (move to the end of the document)

Camera

The following table lists the camera specifications of your Vostro 16 5640.

Table 18. 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	2.07 megapixel
	Video	1920 x 1080 (FHD @ 30 fps)
Diagonal viewing angle:		82.20 degrees

Touchpad

The following table lists the touchpad specifications of your Vostro 16 5640.

Table 19. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	305
	Vertical	305
Touchpad dimensions:		
	Horizontal	115 mm (4.52 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 Microsoft Support Site .


Power adapter

The following table lists the power adapter specifications of your Vostro 16 5640.

Table 20. Power adapter specifications

Description		Values
Type		65W
Connector dimensions:		
	External diameter	4.50 mm

Table 20. Power adapter specifications (continued)

Description		Values
	Internal diameter	2.90 mm
Power-adapter dimensions:		
	Height	28 mm (1.10 in.)
	Width	47 mm (1.90 in.)
	Depth	108 mm (4.30 in.)
Power-adapter weight (maximum)		0.29 kg (0.64 lb)
Input voltage		100 VAC – 240 VAC
Input frequency		50 Hz – 60 Hz
Input current (maximum)		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 5640.

Table 21. Battery specifications

Description		Values
Battery type		4-cell, 54 Wh, Lithium Ion Polymer, ExpressCharge Capable
Battery voltage		15 VDC
Battery weight (maximum)		0.24 kg (0.53 lb)
Battery dimensions:		
	Height	5.75 mm (0.22 in.)
	Width	271.90 mm (10.66 in.)
	Depth	82 mm (3.22 in.)
Temperature range:		
	Operating	0°C to 50°C (32°F to 122°F)
	Storage	-20°C to 60°C (-4°F to 140°F)

Table 21. Battery specifications (continued)

Description	Values
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)  NOTE: Control the charging time, duration, start and end time, and so on, using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at Dell Support Site .	<ul style="list-style-type: none"> • 3hr (Standard charge) • 2hr (Express charge)
Coin-cell battery	Not supported
 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.	
 CAUTION: Dell Technologies recommends that you charge the battery regularly for optimal power consumption. If your battery charge is depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.	

Display

The following table lists the display specifications of your Vostro 16 5640.

Table 22. Display specifications

Description	Option one	Option two
Display type	16" Full High Definition Plus (FHD+)	16" 2.5K
Touch options	No	No
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):		
Height	344.68 mm	344.68 mm
Width	215.42 mm	215.42 mm
Diagonal	406.46 mm	406.46 mm
Display-panel native resolution	1920 x 1200	2560 x 1600
Luminance (typical)	250 nit	300 nit
Megapixels	2.30 M	4.10 M
Color gamut	45% NTSC	100% sRGB
Pixels Per Inch (PPI)	141	189
Contrast ratio (minimum)	<ul style="list-style-type: none"> • 1000:1 (typical) • 800:1 (minimum) 	<ul style="list-style-type: none"> • 1200:1 (typical) • 1000:1 (minimum)
Response time (maximum)	25 millisecond	35 millisecond
Refresh rate	60 Hz	120 Hz

Table 22. Display specifications (continued)

Description	Option one	Option two
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
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
Pixel pitch	0.18 mm	0.13 mm
Power consumption (maximum)	4.2W	4W
Anti-glare vs glossy finish	Anti-glare	Anti-glare

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Vostro 16 5640.

Table 23. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88

Sensor

The following table lists the sensor of your Vostro 16 5640.

Table 24. Sensor

Sensor support
Adaptive Thermal Performance Accelerometer

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Vostro 16 5640.

Table 25. GPU—Integrated

Controller	Memory size	Processor
Intel Graphics	Shared system memory	Intel Core 5 and Core 7 processors

Multiple display support matrix

The following table lists the multiple display support matrix for your Vostro 16 5640.

Table 26. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel Graphics	Not supported	2	2

Hardware security

The following table lists the hardware security of your Vostro 16 5640.

Table 27. Hardware security


Hardware security
Windows 11 Hello - Fingerprint Reader (optional)
Trusted Platform Module (TPM) 2.0
Wedge-shaped lock

Operating and storage environment

This table lists the operating and storage specifications of your Vostro 16 5640.

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

Table 28. Computer environment

Description	Operating	Storage
Temperature range	0 °C to 40°C (32 °F to 104°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)	140 G†	160 G†
Altitude range	Not applicable	-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 the user environment.

† Measured using a 2 ms half-sine pulse.

ComfortView

 **WARNING:** Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

ComfortView mode can be enabled and configured using the Dell CinemaColor application.


ComfortView mode complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light: Dell ComfortView software technology reduces harmful blue light emissions to make extended screen time easy on your eyes.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 cm and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

ComfortView Plus

 **WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.**

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 cm and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.