

Vostro 3890

Setup and Specifications



Notes, cautions, and warnings

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

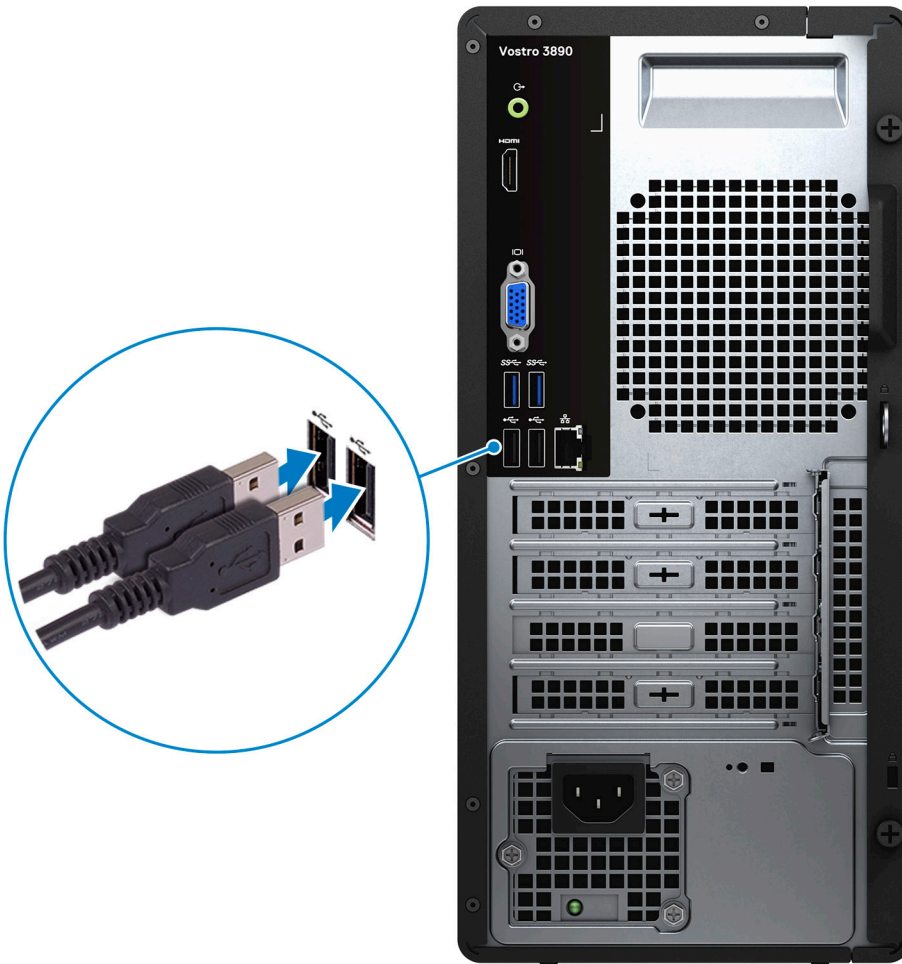
 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

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

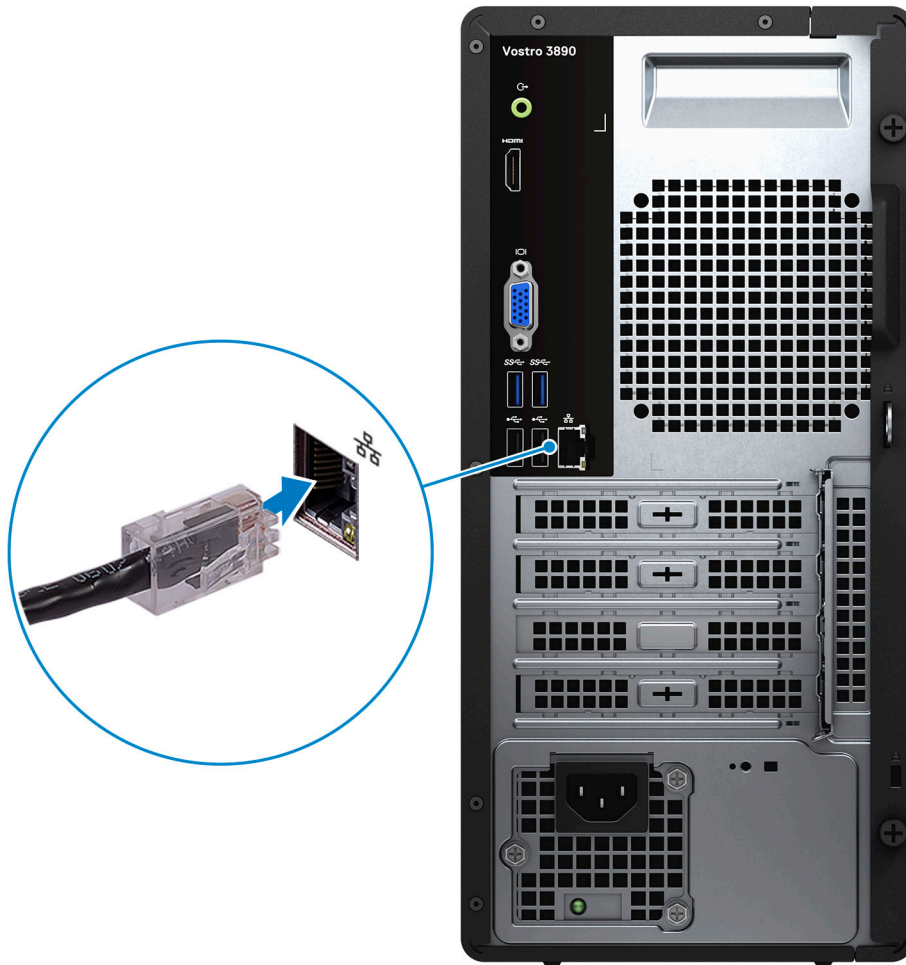
Set up your computer

Steps

1. Connect the keyboard and mouse.



2. Connect to your network using a cable, or connect to a wireless network.

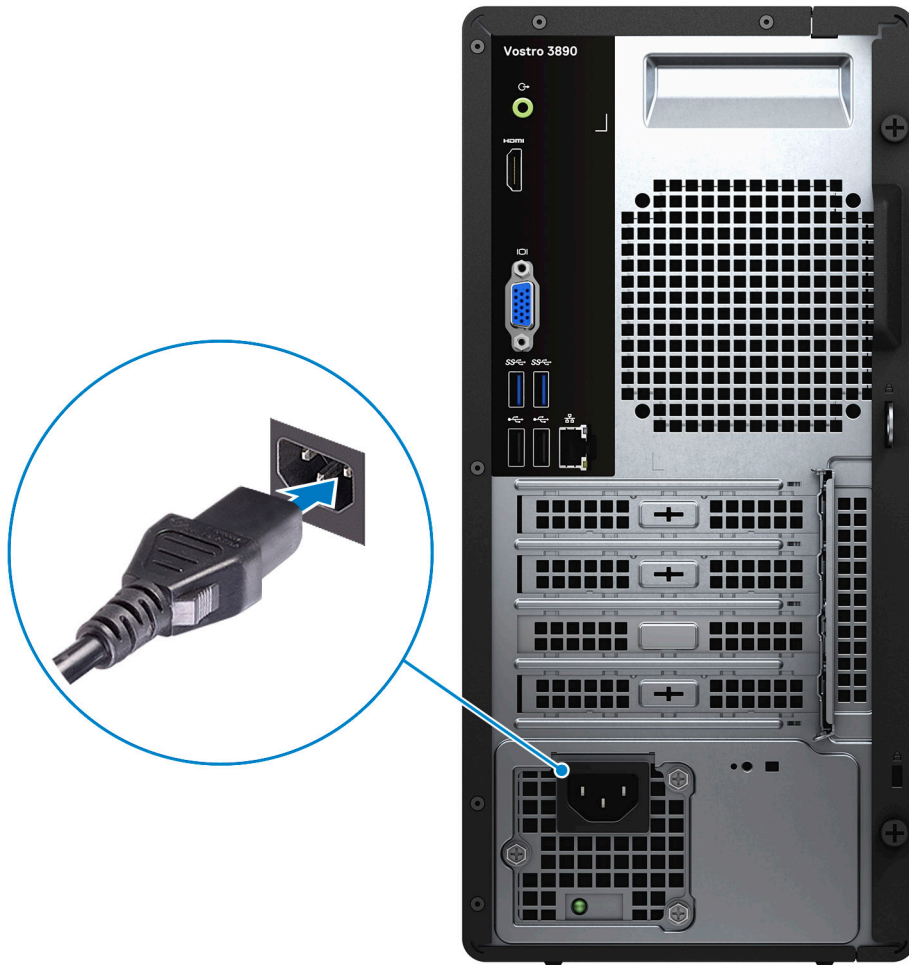


3. Connect the display.



NOTE: If you ordered your computer with a discrete graphics card, connect the display cable to the discrete graphics card connectors.

4. Connect the power cable.



5. Press the power button.



6. Finish operating system setup.

For Windows: 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.

- a. Connect to a network.
- b. Sign-in to your Microsoft account or create a new account.

7. Locate and use Dell apps from the Windows Start menu.

Table 1. Locate Dell apps







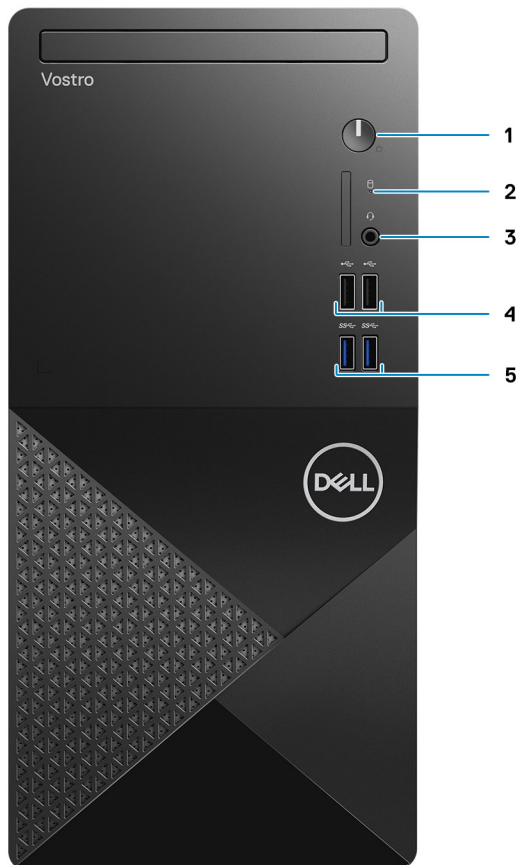
	<p>Dell Product Registration</p> <p>Register your computer with Dell.</p>
	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>

Table 1. Locate Dell apps (continued)

	<p>SupportAssist</p> <p>Proactively checks the health of your computer's hardware and software.</p> <p> NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.</p>
	<p>Dell Update</p> <p>Updates your computer with critical fixes and important device drivers as they become available.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications including software that is purchased but not preinstalled on your computer.</p>

Views of Vostro 3890

Front



1. Power button with diagnostic LED

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.

2. Hard-drive activity light

The hard-drive activity light turns on when the computer reads from or writes to a hard drive.

3. Global headset jack

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

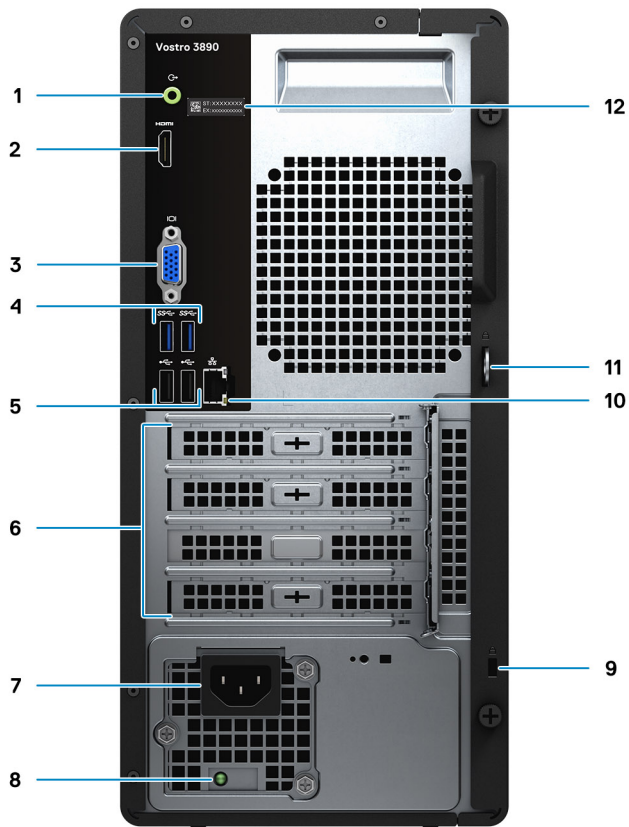
4. Two USB 2.0 ports

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

5. Two USB 3.2 Gen 1 ports

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

Back



1. Line-out audio port

Connect speakers.

2. HDMI 1.4b port

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

3. VGA port

Connect an external display or a projector.

4. Two USB 3.2 Gen 1 ports

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

5. Two USB 2.0 ports

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

6. PCI-Express slots

Provide access to ports on any installed PCI Express cards.

NOTE: Supports only Slot 1, Slot 2 and Slot 4

7. Power connector port

Connect a power cable to provide power to your computer.

8. Power-supply diagnostic light

Indicates the power-supply state.

9. Kensington cable-lock slot

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

10. RJ-45 Ethernet port

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

11. Padlock ring

Attach a standard padlock to prevent unauthorized access to the interior of your computer.

12. Service tag label


Service Tag is an identifier used to access product information like technical specifications, documentation, warranty, and support.

Specifications of Vostro 3890

Dimensions and weight

The following table lists the height, width, depth, and weight of your Vostro 3890.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	324.30 mm (12.77 in.)
Rear height	324.30 mm (12.77 in.)
Width	154 mm (6.06 in.)
Depth	293 mm (11.54 in.)
Weight (maximum)	6.44 kg (14.20 lb)  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.

Processor

The following table lists the details of the processors that are supported by your Vostro 3890 .

Table 3. Processor

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven
Processor type	Intel Celeron G5905	Intel Pentium Gold G6405	10 th Generation Intel Core i3-10105	10 th Generation Intel Core i5-10400	10 th Generation Intel Core i7-10700	11 th Generation Intel Core i5-11400	11 th Generation Intel Core i7-11700
Processor wattage	58 W	58 W	65 W	65 W	65 W	65 W	65 W
Processor core count	2	2	4	6	8	6	8
Processor thread count	2	4	8	12	16	12	16
Processor speed	up to 3.50 GHz	up to 4.10 GHz	3.70 GHz to 4.40 GHz	2.90 GHz to 4.30 GHz	2.90 GHz to 4.80 GHz	2.60 GHz to 4.40 GHz	2.50 GHz to 4.90 GHz
Processor cache	4 MB	4 MB	6 MB	6 MB	12 MB	12 MB	16 MB
Integrated graphics	Intel UHD Graphics 610	Intel UHD Graphics 610	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 630	Intel UHD Graphics 730	Intel UHD Graphics 750

Chipset

Table 4. Chipset

Description	Values
Chipset	Intel B560
Processor	<ul style="list-style-type: none">• 11th Generation Intel Core i5/i7• 10th Generation Intel Pentium, Celeron and Intel Core i3/i5/i7
DRAM bus width	64-bit, Dual-channel
Flash EPROM	32 MB
PCIe bus	Up to Gen 3.0

Operating system

Your Vostro 3890 supports the following operating systems:

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

Memory

NOTE: A multiple-DIMM memory option is recommended to prevent any performance reduction. If the system configuration includes integrated graphics, consider selecting 2 DIMMs.

NOTE: Memory modules should be installed in pairs of matched memory size, speed, and technology. If the memory modules are not installed in matched pairs, the computer continues to operate, but with a slight reduction in performance. The entire memory range is available to 64-bit operating systems.

Table 5. Memory specifications

Description	Values
Slots	Two UDIMM slots
Type	DDR4
Speed	2666/2933 MHz
Maximum memory	64 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB, 32 GB
Configurations supported	<ul style="list-style-type: none">• 4 GB, 1 x 4 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors

Table 5. Memory specifications (continued)

Description	Values
	<ul style="list-style-type: none"> 8 GB, 1 x 8 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 8 GB, 2 x 4 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 12 GB, 1 x 4 GB + 1 x 8 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 16 GB, 1 x 16 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 16 GB, 2 x 8 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 32 GB, 1 x 32 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 32 GB, 2 x 16 GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors 64 GB, 2 x 32GB, DDR4, 2666 MHz for Intel Pentium, Celeron and 10th Generation Intel Core i3/i5 processors, 2933 MHz for 10th Generation Intel Core i7 and 11th Generation Intel Core i5/i7 processors

External ports

The following table lists the external ports of your Vostro 3890.

Table 6. External ports

Description	Values
Network port	One RJ-45 port 10/100/1000 Mbps (rear)
USB ports	<ul style="list-style-type: none"> Two USB 3.2 Gen 1 ports (front) Two USB 2.0 ports (front) Two USB 3.2 Gen 1 ports (rear) Two USB 2.0 ports (rear)
Audio port	<ul style="list-style-type: none"> One Global headset jack One Line-out audio port (rear)
Video port	<ul style="list-style-type: none"> One HDMI 1.4b port (rear) One VGA port (rear)
Media-card reader	Not supported
Power-adaptor port	PSU power connector


Table 6. External ports (continued)

Description	Values
Security-cable slot	<ul style="list-style-type: none"> One Kensington lock slot One Padlock ring

Internal slots

The following table lists the internal slots of your Vostro 3890.

Table 7. Internal slots

Description	Values
PCIe Expansion	<ul style="list-style-type: none"> One Full-height Gen 3 PCIe x16 slot Two Full-height PCIe x1 slots
SATA	<ul style="list-style-type: none"> Two SATA 3.0 slot for 3.5-inch hard drive One SATA 3.0 slot for optical-disk drive
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for WiFi and Bluetooth card One M.2 2230 or 2280 slot for SSD <p> NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article 000144170 at www.dell.com/support.</p>

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Vostro 3890.

Table 8. Ethernet specifications

Description	Values
Model number	Realtek RTL8111HSD
Transfer rate	10/100/1000 Mbps

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Vostro 3890.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Qualcomm QCA61x4a	Qualcomm QCA9377
Transfer rate	Up to 867 Mbps	Up to 433 Mbps
Frequency bands supported	2.4 GHz/5 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) 	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac)

Table 9. Wireless module specifications (continued)

Description	Option one	Option two
Encryption	<ul style="list-style-type: none"> 64-bit and 128-bit WEP 128-bit AES-CCMP TKIP 	<ul style="list-style-type: none"> 64-bit and 128-bit WEP 128-bit AES-CCMP TKIP
Bluetooth	5.0	5.0

Audio

The following table lists the audio specifications of your Vostro 3890.



 **NOTE:** Vostro 3890 does not support internal speaker.

Table 10. Audio specifications

Description	Values
Audio type	C-Media
Audio controller	CM6548
Internal audio interface	USB 2.0
External audio interface	<ul style="list-style-type: none"> One Global headset jack (front) One Line-out audio port (rear) <p> NOTE: 3.5mm Global headset jack functionality varies by model configuration. For best results, use Dell recommended audio accessories.</p>

Storage

This section lists the storage options on your Vostro 3890.

Your computer supports one of the following configurations:

- One 3.5-inch hard drive
- One 2.5-inch hard drive
- One M.2 2230 or 2280 solid-state drive (class 35 or class 40)
- One M.2 2230 or 2280 solid-state drive (class 35 or class 40) and one 2.5-inch hard drive
- One M.2 2230 or 2280 solid-state drive (class 35 or class 40) and one 3.5-inch hard drive

The primary drive of your computer varies with the storage configuration. For computers:

- with a M.2 solid-state drive, the M.2 solid-state drive is the primary drive
- without a M.2 solid-state drive, the 3.5-inch hard drive is the primary drive

Table 11. Storage specifications

Storage type	Interface type	Capacity
2.5-inch, 5400 RPM, hard-disk drive	SATA 3.0	Up to 2 TB
3.5-inch, 7200 RPM, hard-disk drive	SATA 3.0	Up to 2 TB
M.2 2280, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 512 GB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen3 x4	Up to 512 GB

Power ratings

The following table lists the power rating specifications of Vostro 3890.

Table 12. Power ratings

Description		Values
Type		260 W (80 PLUS Bronze)
Input voltage		90 VAC to 264 VAC
Input frequency		47 Hz to 63 Hz
Input current (maximum)		4.2 A
Output current (continuous)		<ul style="list-style-type: none">12 VA/16.5 A12 VB/16 A Standby mode: <ul style="list-style-type: none">12 VA/0.5 A12 VB/2.5 A
Rated output voltage		<ul style="list-style-type: none">+12 VA+12 VB
Temperature range		
	Operating	5°C to 45°C (41°F to 113°F)
	Storage	-40°C to 70°C (-40°F to 158°F)

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Vostro 3890.

Table 13. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics 610	<ul style="list-style-type: none">One HDMI 1.4b portOne VGA port	Shared system memory	Intel Celeron and Intel Pentium processors
Intel UHD Graphics 630	<ul style="list-style-type: none">One HDMI 1.4b portOne VGA port	Shared system memory	10 th Generation Intel Core i3/i5/i7 processors
Intel UHD Graphics 730	<ul style="list-style-type: none">One HDMI 1.4b portOne VGA port	Shared system memory	11 th Generation Intel Core i5 processors
Intel UHD Graphics 750	<ul style="list-style-type: none">One HDMI 1.4b portOne VGA port	Shared system memory	11 th Generation Intel Core i7 processors

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Vostro 3890.


Table 14. GPU—Discrete

Controller	External display support	Memory size	Memory type
NVIDIA GeForce GT 730	One HDMI 1.4b port / One VGA port / One DVI-D port	2 GB	GDDR5

Environmental

Table 15. Environmental specifications


Feature	Vostro 3890
Recyclable packaging	Yes
BFR/PVC—free chassis	No
MultiPack packaging	Yes (US only) (optional)
Energy-Efficient Power Supply	Standard
ENV0424 compliant	Yes

 **NOTE:** Wood-based fiber packaging contains a minimum of 35% recycled content by total weight of wood-based fiber. Packaging that contains without wood-based fiber can be claimed as Not Applicable.

Energy Star and Trusted Platform Module (TPM)

Table 16. Energy Star and TPM

Features	Specifications
Energy Star 8.0	Compliant configurations available
Firmware-TPM (Discrete TPM disabled)	Optional

 **NOTE:** TPM is not available in all countries.

Operating and storage environment


This table lists the operating and storage specifications of your Vostro 3890.

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

Table 17. Computer environment

Description	Operating	Storage
Temperature range	0 °C – 35°C (32 °F – 95°F)	-40°C - 65°C (-40°F - 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing, Max dew point temperature = 26°C)	0% to 95% (non-condensing, Max dew point temperature = 33°C)
Vibration (maximum)*	0.66 GRMS random at 5 Hz to 350 Hz	1.30 GRMS random at 5 Hz to 350 Hz

Table 17. Computer environment (continued)

Description	Operating	Storage
Shock (maximum)	Bottom half-sine pulse with a change in velocity of 50.8 cm/sec (20 in./sec)	105G half-sine pulse with a change in velocity of 133 cm/sec (52.5 in./sec)
Altitude range	3048 m (10,000 ft)	10,668 m (35,000 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 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 18. 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 www.dell.com/support/linux
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.