

Vostro 3881

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.

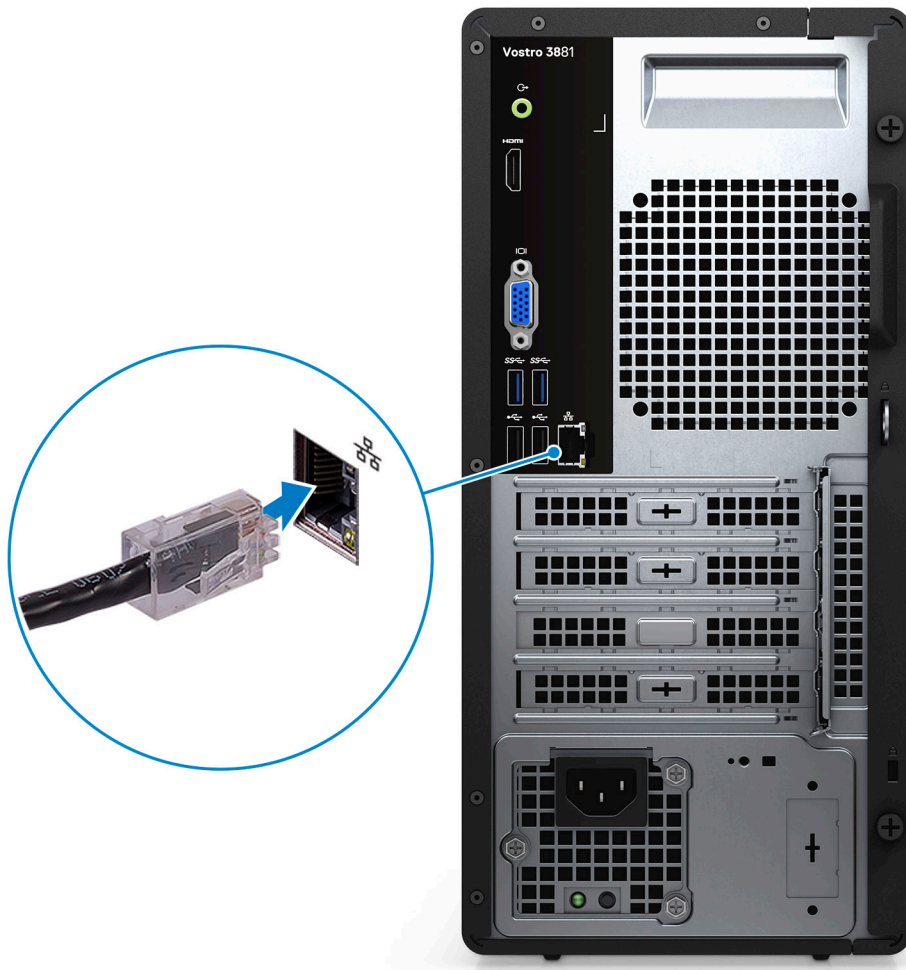
Set up your computer

Steps

1. Connect the keyboard and mouse.



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

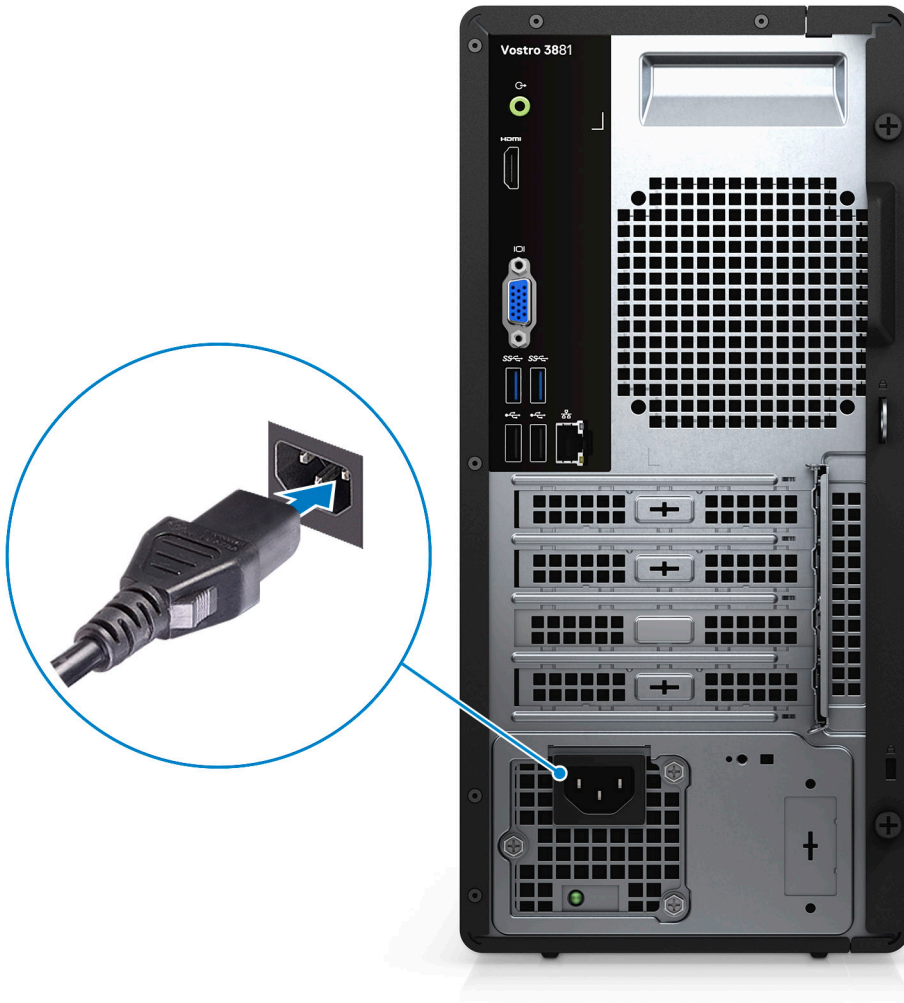


3. Connect the display.



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 Ubuntu:

Follow the on-screen instructions to complete the 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.
 - ① **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







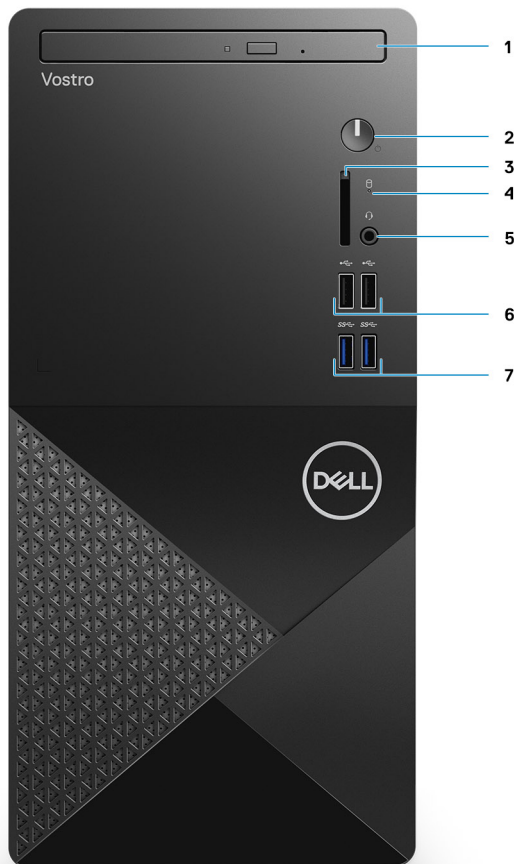
	<p>Dell Product Registration Register your computer with Dell.</p>
	<p>Dell Help & Support Access help and support for your computer.</p>

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 3881

Front

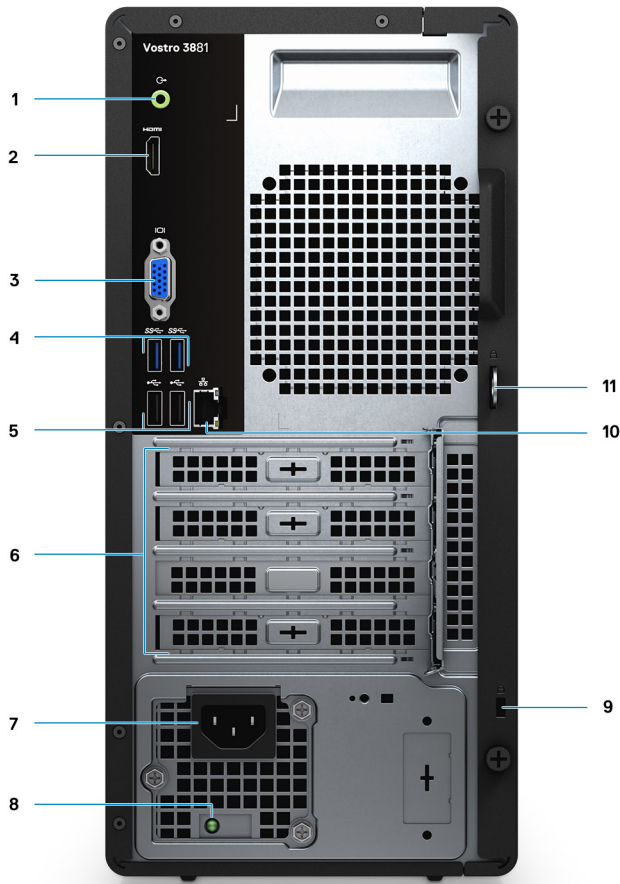


1. Optical drive
2. Power button
3. SD card slot (optional)
4. Hard-drive activity light
5. Combo audio jack
6. USB 2.0 ports
7. USB 3.2 Gen 1 Type-A ports



NOTE: 3.5 mm Global Headset Jack functionality varies by model configuration. For best results, use Dell recommended audio accessories.

Back




NOTE: HDMI 1.4b & VGA ports are not available for computers shipped with 10th generation Intel Core i5-10400F and 10th generation Intel Core i7-10700F.

1. Line-out re-tasking Line-in jack (For computers with Realtek configuration) and Line-out jack (For computers with C-media configuration)
2. HDMI port
3. VGA port
4. USB 3.2 Gen1 Type-A ports (2)
5. USB 2.0 ports (2)
6. Expansion card slots
7. Power port
8. Power supply diagnostics light
9. Kensington security-cable slot
10. Network port
11. Padlock loop

Specifications of Vostro 3881

Dimensions and weight

Table 2. Dimensions and weight

Description	Values
Height	324.30 mm (12.77 in.)
Width	154.00 mm (6.06 in.)
Depth	293.00 mm (11.54 in.)
Weight (approximate)	6.03 kg (13.28 lb)
 NOTE: The weight of your system unit varies depending on the configuration ordered and the manufacturing variability.	

Processors

Table 3. Processors List 1

Description	Values						
Processor model	10 th Generation Intel Core i3-10100	10 th Generation Intel Core i5-10400	10 th Generation Intel Core i5-10400F	10 th Generation Intel Celeron G-5900	10 th Generation Intel Pentium Gold G-6400	10 th Generation Intel Core i7-10700	10 th Generation Intel Core i7-10700F
Wattage	65 W	65 W	65 W	58 W	58 W	65 W	65 W
Core count	4	6	6	2	2	8	8
Thread count	8	12	12	2	4	16	16
Speed	3.6 GHz to 4.3 GHz	2.9 GHz to 4.3 GHz	2.9 GHz to 4.3 GHz	Up to 3.4 GHz	Up to 4.0 GHz	2.9 GHz to 4.8 GHz	2.9 GHz to 4.8 GHz
Cache	6 MB	12 MB	12 MB	2 MB	4 MB	16 MB	16 MB
Integrated graphics	Intel UHD Graphics 630	Intel UHD Graphics 630	Not supported	Intel UHD Graphics 610	Intel UHD Graphics 610	Intel UHD Graphics 630	Not supported

Table 4. Processors List 2

Description	Values		
Processor model	Intel Celeron G5905	Intel Pentium Gold 6405	10 th Intel Core i3-10105

Table 4. Processors List 2 (continued)

Description	Values		
Wattage	58 W	58 W	65 W
Core count	2	2	4
Thread count	2	4	8
Speed	Up to 3.5 GHz	4.1 GHz	3.7 GHz to 4.4 GHz
Cache	4 MB	4 MB	6 MB
Integrated graphics	Intel UHD Graphics 610	Intel UHD Graphics	Intel UHD Graphics

Chipset

Table 5. Chipset

Description	Values
Chipset	B460
Processor	<ol style="list-style-type: none"> 1. 10th Generation Intel Core i3/i5/i7 2. 10th Generation Intel Core i5F/i7F 3. 10th Generation Intel Pentium Gold 4. 10th Generation Intel Celeron
DRAM bus width	64-bit
PCIe bus	Up to Gen3

Operating system

Your Vostro 3881 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 Home, 64-bit
- Windows 10 Pro, 64-bit
- Ubuntu 18.04 LTS, 64-bit

Memory

Table 6. Memory specifications

Description	Values
Slots	2 UDIMM slots
Type	DDR4
Speed	<ul style="list-style-type: none"> • 2666 MHz

Table 6. Memory specifications (continued)

Description	Values
	<ul style="list-style-type: none"> 2933 MHz (supported on Core i7-10700 and i7-10700F processors) <p>NOTE: Memory speed may be subject to change by regions.</p>
Maximum memory	64 GB
Minimum memory	4 GB
Memory per slot	4 GB, 8 GB, 12 GB, 16 GB, 32 GB
Configurations supported	<ul style="list-style-type: none"> 4 GB, 1 x 4 GB, DDR4, 2666 MHz to 2933 MHz 8 GB, 1 x 8 GB, DDR4, 2666 MHz to 2933 MHz 8 GB, 2 x 4 GB, DDR4, 2666 MHz to 2933 MHz 16 GB, 1 x 16 GB, DDR4, 2666 MHz to 2933 MHz 16 GB, 2 x 8 GB, DDR4, 2666 MHz to 2933 MHz 32 GB, 1 x 32 GB, DDR4, 2666 MHz to 2933 MHz 32 GB, 2 x 16GB, DDR4, 2666 MHz to 2933 MHz 64 GB, 2 x 32 GB, DDR4, 2666 MHz to 2933 MHz

Intel Optane memory

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

- NOTE:** Intel Optane memory is supported on computers that meet the following requirements:
- 7th Generation or higher Intel Core i3/i5/i7 processor
 - Windows 10 64-bit version or higher
 - Latest version of Intel Rapid Storage Technology driver

Table 7. Intel Optane memory

Description	Values
Type	Storage accelerator
Interface	PCIe NVMe 3.0x2 or 3.0x4
Connector	M.2 2280
Configurations supported	16 GB and 32 GB
Capacity	Up to 32 GB

Ports and connectors

Table 8. Ports and connectors

Description	Values
Front	
USB	<ul style="list-style-type: none"> Two USB 2.0 Gen 1 ports (front) Two USB 3.2 Gen 1 Type-A port (front) Two USB 2.0 Gen 1 ports (rear) Two USB 3.2 Gen 1 Type-A ports (rear)

Table 8. Ports and connectors (continued)

Description	Values
Network	1x RJ-45 Port 10/100/1000 Mbps
Audio	<ul style="list-style-type: none"> • Universal audio jack (For computer with Realtek configuration) • Global headset jack (For computers with C-media configuration) <p>i NOTE: 3.5 mm Global Headset Jack functionality varies by model configuration. For best results, use Dell recommended audio accessories.</p>
Video	<ul style="list-style-type: none"> • 1 x HDMI 1.4b port • 1 x VGA port
Memory card reader	SD 3.0 card reader (optional)
Security	1 x Padlock hoop, 1 x Kensington security-cable slot
Internal	
Expansion	<ul style="list-style-type: none"> • 1 x full-height Gen 3 PCIe x16 slot • 2 x full-height PCIe x1 slot
M.2	<ul style="list-style-type: none"> • 1 x M.2 2230 slot for Wi-Fi/Bluetooth card • 1 x M.2 2230/2280 slot for solid-state drive or Intel Optane <p>i NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article at https://www.dell.com.</p>

Communications

Ethernet

Table 9. Ethernet specifications

Description	Values
Model number	Realtek RTL8111HS
Transfer rate	10/100/1000 Mbps

Wireless module

Table 10. Wireless module specifications

Description	Values		
Model number	Intel Wireless-AC 9260	Intel Wireless-AC 3165	Realtek RTL8723DE
Transfer rate	Up to 1.73 Mbps	Up to 433 Mbps	Up to 150 Mbps
Frequency bands supported	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz/5 GHz	Dual band 2.4 GHz

Table 10. Wireless module specifications (continued)

Description	Values		
Wireless standards	Wi-Fi 9260 802.11ac	Wi-Fi 802.11ac	Wi-Fi 802.11bgn
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 4.2	Bluetooth 4.2

Audio

Table 11. Audio specifications

Description	Values	Values
Type	Stereo High Definition Audio Codec	Stereo USB Audio Codec
Controller	Realtek ALC3246 (For computer with Realtek configuration)	C-Media CM6548 (For computer with C-Media configuration)
Internal interface	ALC3246	USB 2.0
External interface	<ul style="list-style-type: none"> 1 x Universal audio jack (front) 1 x Line-out re-tasking Line-in audio jack (rear) 	<ul style="list-style-type: none"> One global headset jack (front) One Line-out audio jack (rear)

Storage

Your computer supports one or more combination of the following configurations:

- 3.5-inch, 500 GB, 7200 RPM, SATA HDD
- 3.5-inch, 1 TB, 7200 RPM, SATA HDD
- 3.5-inch, 2 TB, 7200 RPM, SATA HDD
- M.2 2230, 128 GB, NVMe, Class 35 SSD
- M.2 2230, 256 GB, NVMe, Class 35 SSD
- M.2 2230, 512 GB, NVMe, Class 35 SSD

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

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

Table 12. Storage specifications

Storage type	Interface type	Capacity
3.5-inch HDD, 7200 RPM	SATA	Up to 500 GB
3.5-inch HDD, 7200 RPM	SATA	Up to 1 TB
3.5-inch HDD, 7200 RPM	SATA	Up to 2 TB
M.2 2230 SSD	PCIe Gen 3 x4 NVMe, Class 35	Up to 128 GB
M.2 2230 SSD	PCIe Gen 3 x4 NVMe, Class 35	Up to 256 GB

Table 12. Storage specifications (continued)

Storage type	Interface type	Capacity
M.2 2230 SSD	PCIe Gen 3 x4 NVMe, Class 35	Up to 512 GB

Media-card reader

NOTE: Media-card reader is mutually exclusive with a dual M.2 configuration.

Table 13. Media-card reader specifications

Description	Values
Type	SD 3.0 card reader (optional)
Cards supported	<ul style="list-style-type: none"> Secure Digital High Capacity (SDHC) Secure Digital Extended Capacity (SDXC) Multimedia Card (MMC) MMC+ Secure Digital (SD)

Power supply unit

Table 14. Power supply unit specifications

Description	Values
Type	260 W Bronze
Input voltage	90 VAC to 264 VAC
Input frequency	47 Hz to 63 Hz
Input current (maximum)	3.20 A
Output current (continuous)	Operating mode: <ul style="list-style-type: none"> +12 VA/16.50 A +12 VB/14 A Standby mode: <ul style="list-style-type: none"> +12 VA/0.5 A +12 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)

Video

Table 15. Integrated graphics specifications

Integrated graphics			
Controller	External display support	Memory size	Processor
Intel UHD Graphics 610	VGA and HDMI 1.4b	Shared system memory	10 th Generation Intel Celeron and Pentium Gold
Intel UHD Graphics 630	VGA and HDMI 1.4b	Shared system memory	10 th Generation Intel Core i3/i5/i7 processor

Table 16. Discrete graphics specifications

Discrete graphics			
Controller	External display support	Memory size	Memory Type
NVIDIA GeForce GT 730	Dual Link DVI-D, VGA, and HDMI	2 GB	GDDR5
NVIDIA GeForce GT 1030	Dual Link DVI-D, HDMI	2 GB	GDDR5

Computer environment

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

Table 17. Computer environment

Description	Operating	Storage
Temperature range	10 °C to 35 °C (50 °F to 95 °F)	-40 °C to 65 °C (-40 °F to 149 °F)
Relative humidity (maximum)	20% to 80% (non-condensing)	5% to 95% (non-condensing)
Vibration (maximum)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G†	105 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10668 m (0 ft to 35,000 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.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

Energy Star and Trusted Platform Module (TPM)

Table 18. Energy Star and TPM

Features	Specifications
Energy Star	Compliant
Discrete TPM	Optional

Environmental

Table 19. Environmental specifications

Feature	
Recyclable packaging	Yes
BFR/PVC—free chassis	No
Vertical orientation packaging support	Yes
MultiPack packaging	Yes (DAO only)
Energy-Efficient Power Supply	Standard
ENV0424 compliant	Yes



i NOTE: Wood-based fiber packaging contains a minimum of 35% recycled content by total weight of wood-based fiber. Packaging that does not contain wood-based fiber can be claimed as Not Applicable. Anticipated Required Criteria for EPEAT Revision Effective 1H 2018.

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 20. 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.