

XPS 8920

Setup and Specifications

Computer Model: XPS 8920
Regulatory Model: D24M
Regulatory Type: D24M001



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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Rev. A00

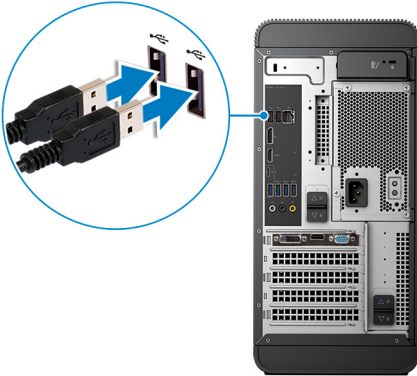
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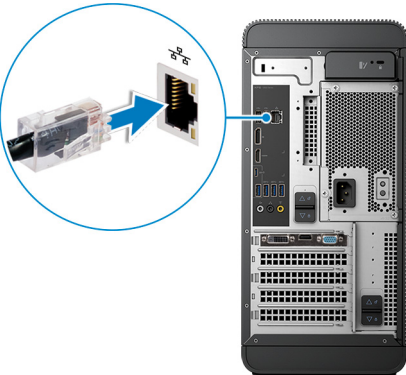


Set up your computer

1 Connect the keyboard and mouse.



2 Connect the network cable-optional.

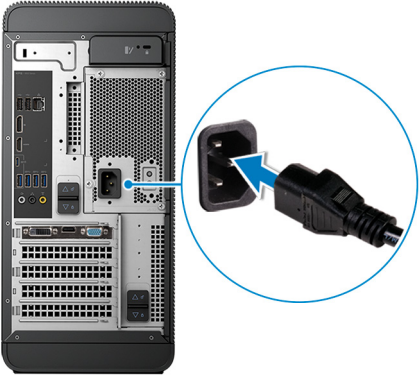


3 Connect the display.

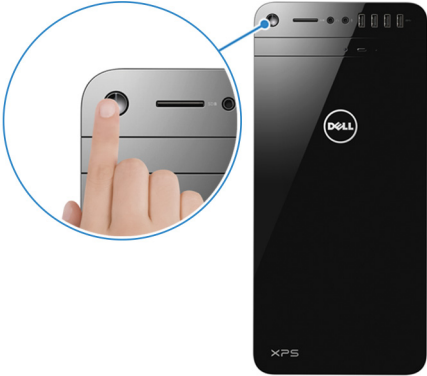


NOTE: If you ordered your computer with a discrete graphics card, the HDMI and the display ports on the back panel of your computer are covered. Connect the display to the discrete graphics card.

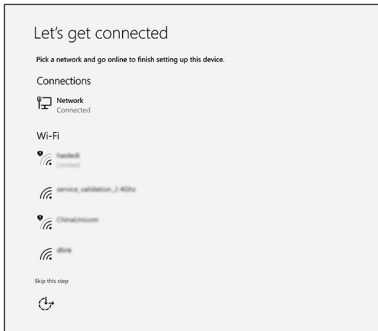
4 Connect the power cable.



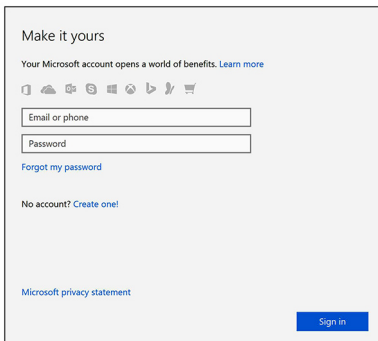
5 Press the power button.



- 6 Follow the instructions on the screen to finish Windows setup:
- a) Connect to a network.



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



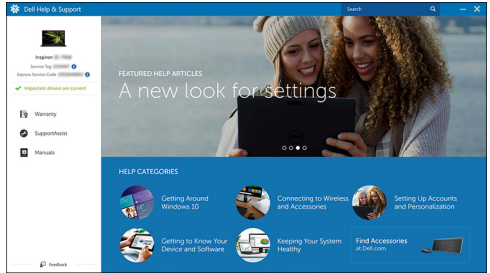
7 Locate Dell apps.

Table 1. Locate Dell apps



Register your computer

Dell Help & Support

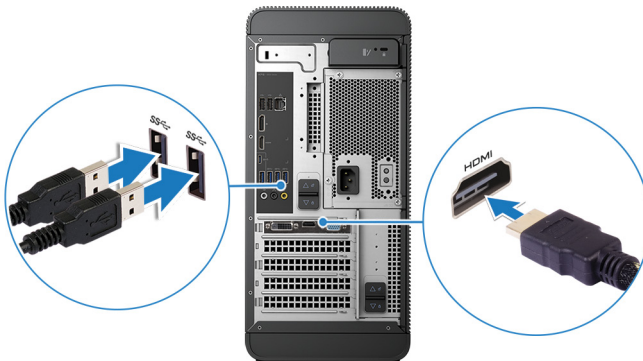


SupportAssist — Check and update your computer



Setting up the Virtual Reality (VR) headset — optional

- 1 Download and run the setup tools for your VR headset at www.dell.com/VRsupport.
- 2 Connect the VR headset to the USB 3.0 ports on the back of your computer and HDMI port on your computer, when prompted.

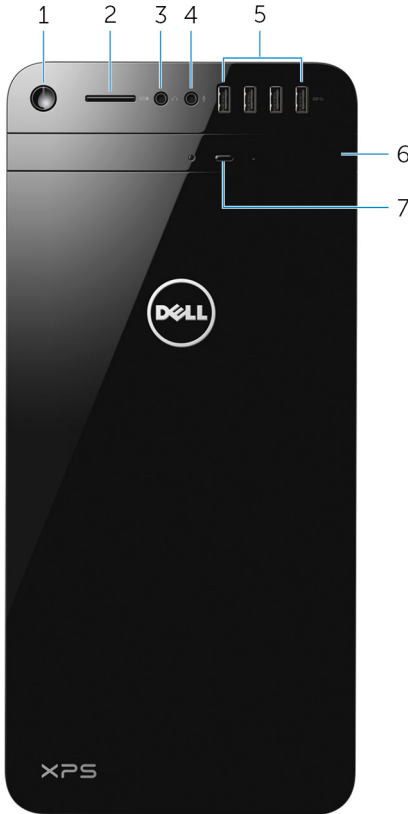


NOTE: Connect the headset to the HDMI port on the discrete graphics card and connect the display to any available port on the card.

- 3 Follow the instructions on the screen to complete the setup.

Views

Front



1 **Power button**

Press to turn on the computer if it is turned off or in sleep state.
Press to shut down the computer if it is turned on.
Press and hold for 4 seconds to force shut-down the computer.



NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at www.dell.com/support.

2 **SD-card slot**

Reads from and writes to SD card.

3 **Headphone port**

Connect a pair of headphones or speakers.

4 **Microphone port**

Connect an external microphone for recording sound, making audio calls, making video calls, and so on.

5 **USB 3.0 ports (4)**

Connect peripherals such as storage devices, printers, and so on. Provides data transfer speeds up to 5 Gbps.

6 **Optical drive (optional)**

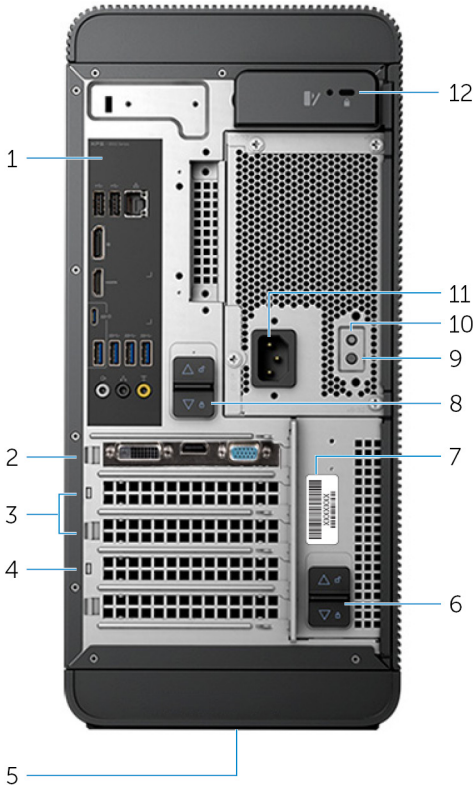
Reads from and writes to CDs and DVDs.

7 **Optical-drive eject button**

Press to eject the media from the optical drive.



Back



1 **Back panel**

Connect USB, audio, video and other devices.

2 **PCI-Express x16 (graphics slot 1)**

Connect a PCI-Express card such as graphics, audio, or network card to enhance the capabilities of your computer.

For optimal graphics performance, use this slot for connecting the graphics card.

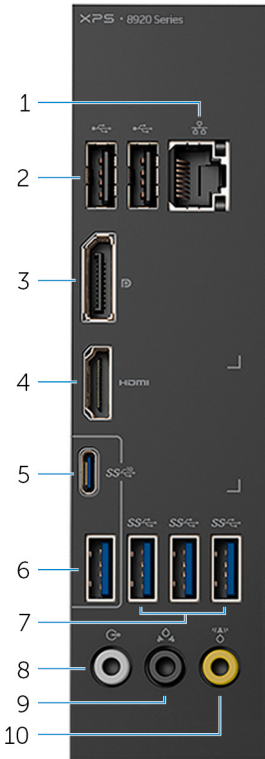
3 **PCI-Express x1 slots (2)**

Connect a PCI-Express card such as graphics, audio, or network card to enhance the capabilities of your computer.

- 4 **PCI-Express x4 slot**
Connect a PCI-Express card such as graphics, audio, or network card to enhance the capabilities of your computer.
- 5 **Regulatory label**
Contains regulatory information about your computer.
- 6 **Bottom power-supply cage release-latch**
Allows you to remove the power supply unit from your computer.
- 7 **Service Tag label**
Provides the Service Tag and Express Service Code needed when contacting Dell.
- 8 **Top power-supply cage release-latch**
Allows you to remove the power supply unit from your computer.
- 9 **Power supply light**
Indicates the power-supply state.
- 10 **Power-supply diagnostic button**
Press to check the power-supply state.
- 11 **Power port**
Connect a power cable to provide power to your computer.
- 12 **Security-cable slot**
Connect a security cable to prevent unauthorized movement of your computer.



Back panel



1 Network port

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

The two lights next to the connector indicate the connectivity status and network activity.

2 USB 2.0 ports (2)

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

3 DisplayPort

Connect an external display or a projector.

 **NOTE: If you ordered your computer with a discrete graphics card, the DisplayPort on the back panel of your computer is covered. Connect the display to the discrete graphics card of your computer.**

4 **HDMI port**

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

 **NOTE: If you ordered your computer with a discrete graphics card, the HDMI port on the back panel of your computer is covered. Connect the display to the discrete graphics card of your computer.**

5 **USB 3.1 Type-C port**

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 10 Gbps.

6 **USB 3.1 port**

Connect peripherals, such as storage devices and printers. Provides data transfer speeds up to 10 Gbps.

7 **USB 3.0 ports (3)**

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

8 **Front L/R surround line-out port**

Connect audio-output devices such as speakers and amplifiers. In a 5.1 speaker channel setup, connect the front-left and front-right speakers.

9 **Rear L/R surround port**

Connect audio-output devices such as speakers and amplifiers. In a 5.1 speaker channel setup, connect the rear-left and rear-right speakers.

10 **Center/subwoofer LFE surround port**

Connect the subwoofer.

 **NOTE: For more information about the speaker setup, refer to the documentation that shipped with the speakers.**



Specifications

Dimensions and weight

Table 2. Dimensions and weight

Height	389 mm (15.32 in)
Width	180 mm (7.09 in)
Depth	356 mm (14.02 in)
Weight	10 kg (22 lb)



NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

System information

Table 3. System information

Computer model	XPS 8920
Processor	<ul style="list-style-type: none">• 7th Generation Intel Core i5/i5k• 7th Generation Intel Core i7/i7k
Chipset	<ul style="list-style-type: none">• Intel H270• Intel Z270

Memory

Table 4. Memory specifications

Slots	Four DIMM slots
Type	<ul style="list-style-type: none">• UDIMM• DDR4

Speed	2400 MHz
Configurations supported	8 GB, 16 GB, 24 GB, 32 and 64 GB

Ports and connectors

Table 5. Ports and connectors

Back panel ports:	
Network	One RJ45 port
USB	<ul style="list-style-type: none"> • Two USB 2.0 ports • Three USB 3.0 ports • One USB 3.1 Type-A port • One USB 3.1 Type-C port
Video/Audio	<ul style="list-style-type: none"> • One Surround Front Stereo port • One Surround Rear Stereo port • One Surround Center/Subwoofer port • One HDMI port for integrated graphics • One DisplayPort for integrated graphics

Table 6. Ports and connectors

Front panel ports:	
Audio	<ul style="list-style-type: none"> • One Stereo Headphone jack • One Microphone jack
USB	Four USB 3.0 ports
Card Reader	One 3-in-1 Card reader, supporting: <ul style="list-style-type: none"> • Secure Digital (SD) • Secure Digital Extended Capacity (SDXC)



Front panel ports:

- Secure Digital High Capacity (SDHC) Classes 2,4 and 6

Table 7. Ports and connectors

Internal ports:

PCIe Slots

- One PCIe x16 card slot
- Two PCIe x1 card slots
- One PCIe x4 card slot

M.2 Card

- One M.2 card slot for SSD
- One M.2 card slot for Wi-Fi and Bluetooth combo card

Communications

Table 8. Supported communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11 b/g/n
- Wi-Fi 802.11 ac
- Bluetooth 4.0

Audio

Table 9. Audio specifications

Controller

Integrated Realtek ALC3861 High Definition Audio with Waves MaxxAudio Pro



Storage

Table 10. Storage options

Interface	<ul style="list-style-type: none"> • SATA 6 Gbps for optical drive • SATA 6 Gbps for hard drive • M.2 for SSD
Hard drive	Three 3.5-inch hard drives
Solid-state drive	One M.2 slot
Optical drive (optional)	One Slimline DVD+/-RW

Video

Table 11. Video specifications

	Integrated	Discrete
Controller	Intel HD Graphics 630	<ul style="list-style-type: none"> • NVIDIA GT 730 • NVIDIA GTX 745 • NVIDIA GTX 1050 Ti • NVIDIA GTX 1070 • NVIDIA GTX 1080 • AMD Radeon RX 460 • AMD Radeon RX 470 • AMD Radeon RX 480
Memory	Shared system memory	Up to 8 GB GDDR5X

Power ratings

Table 12. Power ratings

Type	460 W APFC	460 W Bronze
Input current	8 A	8 A



Output current	3.3V/17A, 5V/25A, 12VA/ 18A, 12VB/16A, 12VC/8A, 5Vaux/3A	3.3V/17A, 5V/25A, 12VA/ 18A, 12VB/16A, 12VC/8A, 5Vaux/3A
Rated output voltage	3.3V, 5V, 12VA, 12VB, 12VC, 5Vaux	3.3V, 5V, 12VA, 12VB, 12VC, 5Vaux
Input voltage	100 VAC–240 VAC	
Input frequency	50 Hz–60 Hz	
Temperature range: Operating	5°C to 50°C (41°F to 122°F)	
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)	

Computer Environment

Airborne contaminant level: G2 or lower as defined by ISA-S71.04-1985

Table 13. Computer Environment

	Operating	Storage
Temperature range	5°C to 35°C (41°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)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)†	105 G for 2 ms with a change in velocity of 52.5 in/s (133 cm/s)‡
Altitude (maximum)	–15.20 m to 3048 m (–50 ft to 10,000 ft)	–15.20 m to 10,668 m (–50 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.

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 14. Self-help resources

Information about Dell products and services	www.dell.com
Dell Help & Support app	
Get started app	
Accessing help	In Windows search, type Help and Support , and press Enter.
Online help for operating system	www.dell.com/support/windows
Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.	www.dell.com/support
Learn about your operating system, setting up and using your computer, data backup, diagnostics, and so on.	See <i>Me and My Dell</i> at www.dell.com/support/manuals .

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.



NOTE: Availability varies by country and product, and some services may not be available in your country.





NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.