

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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2017 - 01

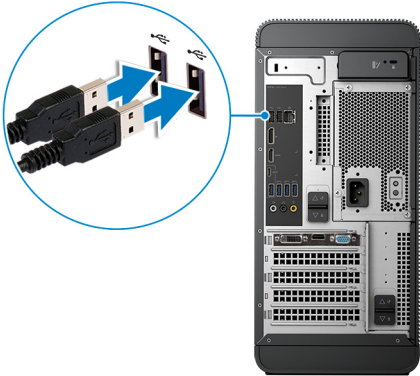
Rev. A00

Contents

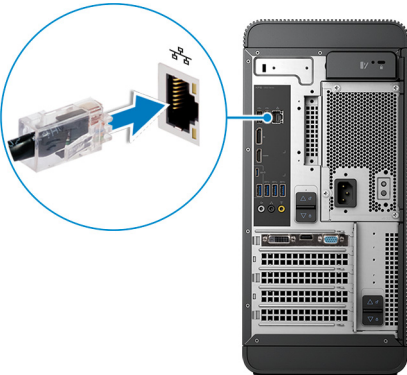
Set up your computer.....	4
Setting up the Virtual Reality (VR) headset — optional.....	9
Views.....	10
Front.....	10
Back.....	12
Back panel.....	14
Specifications.....	16
Dimensions and weight.....	16
System information.....	16
Memory.....	16
Ports and connectors.....	17
Communications.....	18
Audio.....	18
Storage.....	19
Video.....	19
Power ratings.....	19
Computer Environment.....	20
Getting help and contacting Dell.....	21
Self-help resources.....	21
Contacting Dell.....	21

Set up your computer

1 Connect the keyboard and mouse.




2 Connect the network cable-optional.

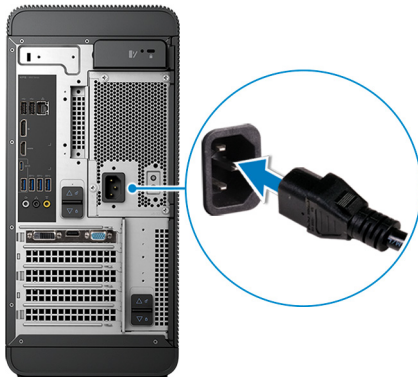


- 3 Connect the display.

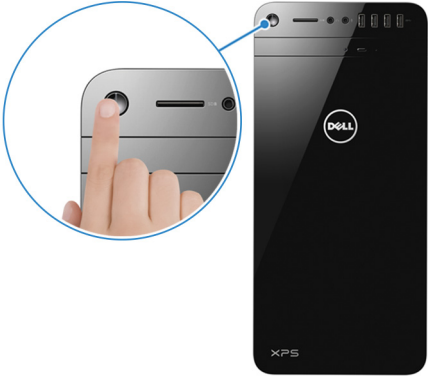


 **NOTE: If you ordered your computer with a discrete graphics card, the HDMI and the display ports on the back panel of your computer are covered. Connect the display to the discrete graphics card.**

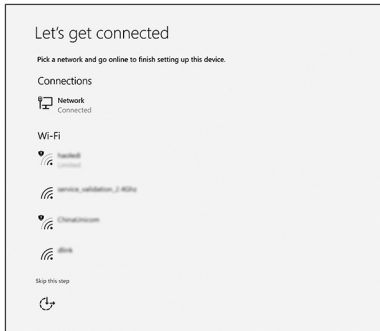
- 4 Connect the power cable.



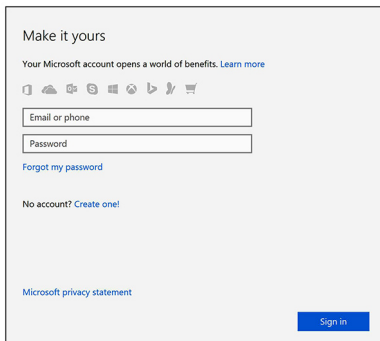
5 Press the power button.



- 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.



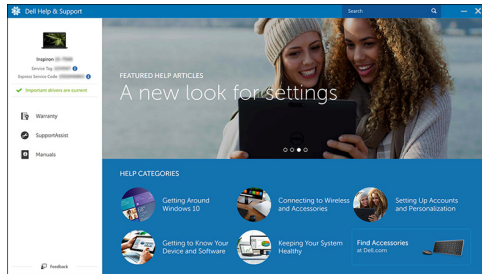
7 Locate Dell apps.

Table 1. Locate Dell apps



Register your computer

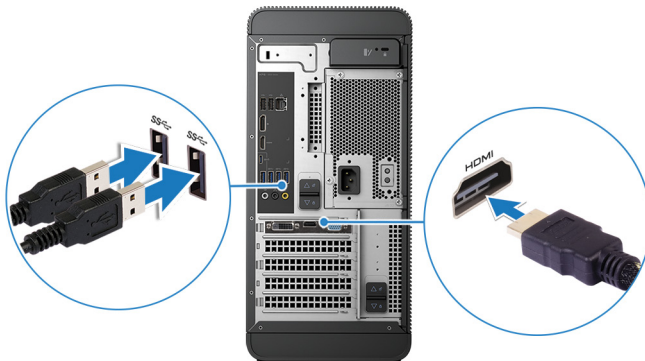
Dell Help & Support




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.

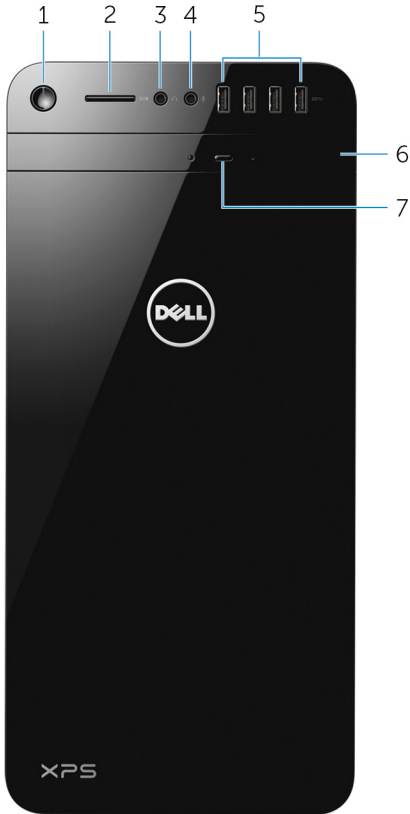


 **NOTE: Connect the headset to the HDMI port on the discrete graphics card and connect the display to any available port on the card.**

- 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.

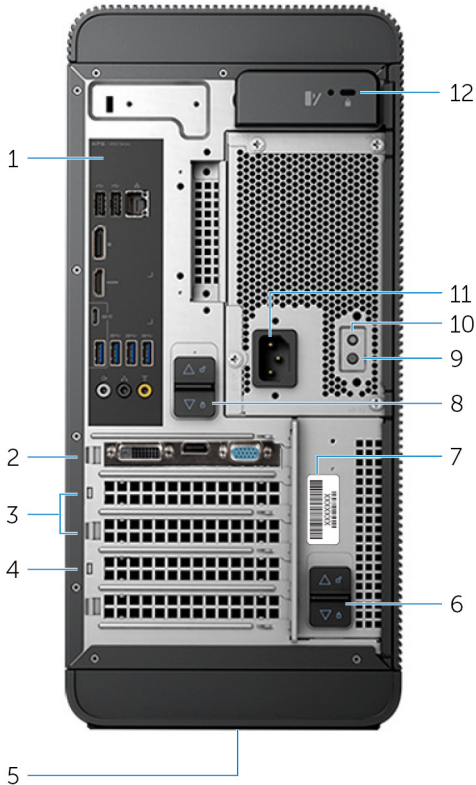
6 **Optical drive (optional)**

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.

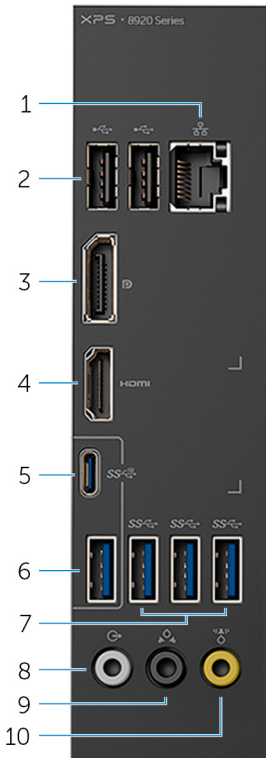
11 **Power port**

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 *Me and My Dell* 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.