XPS 8920
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.**

Contents

Set up your computer

1 Connect the keyboard and mouse.

2 Connect the network cable-optional.
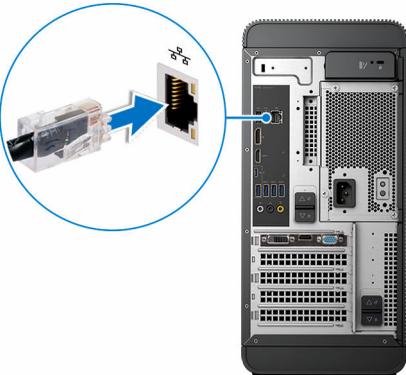
3 Connect the display.

> ✏ 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.
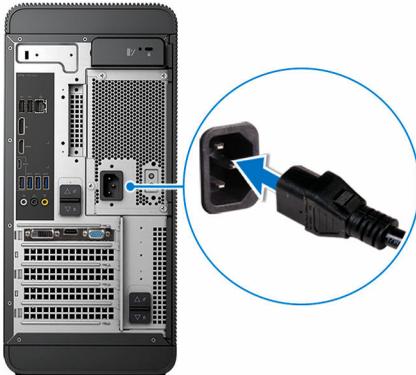
5 Press the power button.

6 Follow the instructions on the screen to finish Windows setup:

a) Connect to a network.
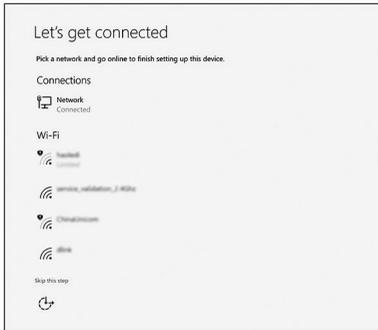
b) Sign-in to your Microsoft account or create a new account.
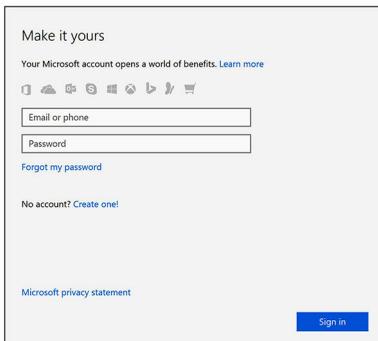
7 Locate Dell apps.

Table 1. Locate Dell apps

Register your computer

Dell Help & Support
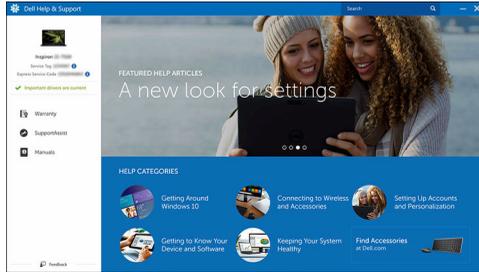
SupportAssist — Check and update your computer

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
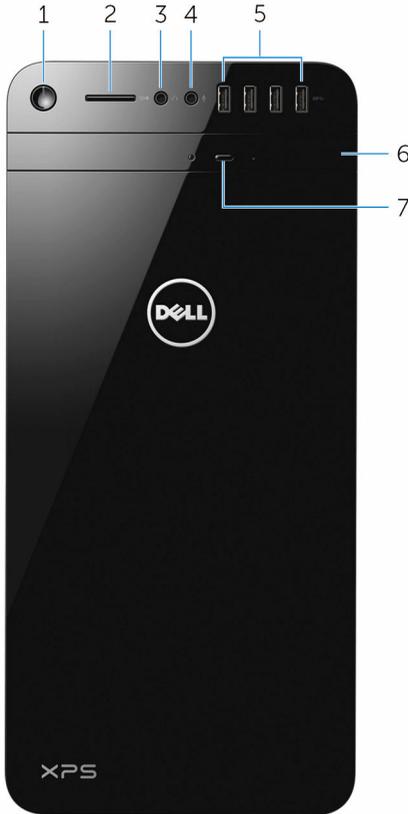
1   **Power button**

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
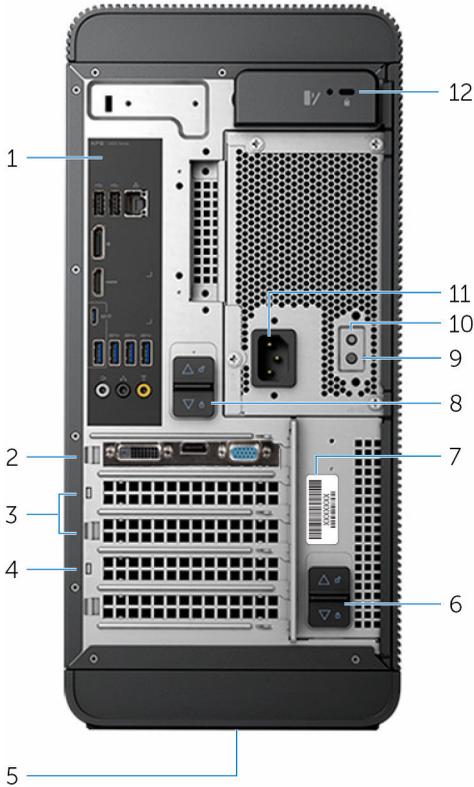
1 **Back panel**

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
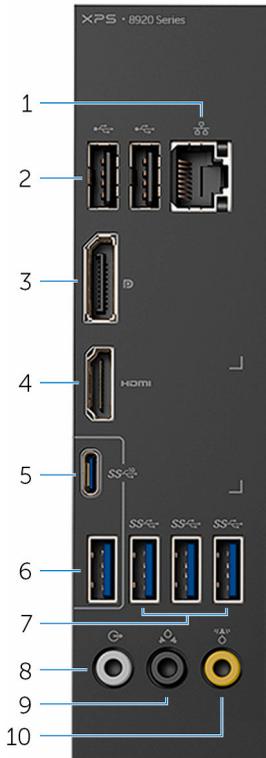
1   **Network port**

     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	• 7th Generation Intel Core i5/i5k • 7th Generation Intel Core i7/i7k
Chipset	• Intel H270 • Intel Z270

Memory

Table 4. Memory specifications

Slots	Four DIMM slots
Type	• 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	• 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	• 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	• One Stereo Headphone jack • One Microphone jack
USB	Four USB 3.0 ports
Card Reader	One 3-in-1 Card reader, supporting: • 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	- 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	- 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.