XPS 8910

Setup and Specifications
Notes, cautions, and warnings

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

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
Set up your computer

1. Connect the keyboard and mouse.

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

![Diagram showing connection of 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.

![Diagram showing connection of power cable]
5 Press the power button.
6  Follow the instructions on the screen to finish Windows setup:
   a) Enable security and Dell updates.
   b) Connect to a wireless network.
   c) Sign-in to your Microsoft account or create a new account.
Explore Dell resources on your desktop.

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 designated USB and HDMI port on your computer, when prompted.

   ![Diagram of connecting cables to computer]

   **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](http://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.
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.

   **NOTE**: If you have two graphics cards, the card installed in this slot is the primary 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 **Service Tag label**
Provides the Service Tag and Express Service Code needed when contacting Dell.

6 **Regulatory label**
Contains regulatory information about your computer.

7 **Power supply unit release latches (2)**
Allows you to remove the power supply unit from your computer.

8 **Power supply light**
Indicates the power-supply state.

9 **Power-supply diagnostic button**
Press to check the power-supply state.

10 **Power port**
Connect a power cable to provide power to your computer.

11 **Security-cable slot**
Connect a security cable to prevent unauthorized movement of your computer.
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, printers, and external displays. 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>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>389 mm (15.32 in)</td>
</tr>
<tr>
<td>Width</td>
<td>180 mm (7.09 in)</td>
</tr>
<tr>
<td>Depth</td>
<td>356 mm (14.02 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>10 kg (22 lb)</td>
</tr>
</tbody>
</table>

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

### System information

- **Computer model**: XPS 8910
- **Processor**:
  - 6th Generation Intel Core i5/i5k
  - 6th Generation Intel Core i7/i7k
- **Chipset**: Intel Z170

### Memory

- **Slots**: Four DIMM slots
- **Type**:
  - UDIMM
  - DDR4
- **Speed**: 2133 MHz
- **Configurations supported**: 8 GB, 12 GB, 16 GB, 24 GB, 32 and 64 GB
# Ports and Connectors

## Back panel ports:

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>One RJ45 port</td>
</tr>
<tr>
<td>USB</td>
<td>• Two USB 2.0 ports</td>
</tr>
<tr>
<td></td>
<td>• Three USB 3.0 ports</td>
</tr>
<tr>
<td></td>
<td>• One USB 3.1 Type-A port</td>
</tr>
<tr>
<td></td>
<td>• One USB 3.1 Type-C port</td>
</tr>
<tr>
<td>Video/Audio</td>
<td>• One Surround Front Stereo port</td>
</tr>
<tr>
<td></td>
<td>• One Surround Rear Stereo port</td>
</tr>
<tr>
<td></td>
<td>• One Surround Center/Subwoofer port</td>
</tr>
<tr>
<td></td>
<td>• One HDMI port for integrated graphics</td>
</tr>
<tr>
<td></td>
<td>• One DisplayPort for integrated graphics</td>
</tr>
</tbody>
</table>

## Front panel ports:

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Audio</td>
<td>• One Stereo Headphone jack</td>
</tr>
<tr>
<td></td>
<td>• One Microphone jack</td>
</tr>
<tr>
<td>USB</td>
<td>Four USB 3.0 ports</td>
</tr>
<tr>
<td>Card Reader</td>
<td>One 3-in-1 Card reader, supporting:</td>
</tr>
<tr>
<td></td>
<td>• Secure Digital (SD)</td>
</tr>
<tr>
<td></td>
<td>• Secure Digital Extended Capacity (SDXC)</td>
</tr>
<tr>
<td></td>
<td>• Secure Digital High Capacity (SDHC) Classes 2,4 and 6</td>
</tr>
</tbody>
</table>

## Internal ports:

<table>
<thead>
<tr>
<th>Port Type</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe Slots</td>
<td>• One PCIe x16 card slot</td>
</tr>
<tr>
<td></td>
<td>• Two PCIe x1 card slots</td>
</tr>
</tbody>
</table>
Internal ports:

- 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

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

Video

<table>
<thead>
<tr>
<th>Controller</th>
<th>Integrated</th>
<th>Discrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel HD Graphics 530</td>
<td>NVIDIA GT 730</td>
<td>NVIDIA GT 745</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GTX 750 Ti</td>
<td>NVIDIA GTX 960</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GTX 970</td>
<td>NVIDIA GTX R9 370</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NVIDIA GTX 980</td>
</tr>
</tbody>
</table>

Audio

| Controller | Integrated Realtek ALC3861 High Definition Audio with Waves MaxxAudio Pro |
**Storage**

**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

**Power ratings**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Operating</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input current</td>
<td>6 A</td>
<td>8 A</td>
</tr>
<tr>
<td>Rated output voltage</td>
<td>3.3V, 5V, 12VA, 12VB, 12VC, 5Vaux</td>
<td>3.3V, 5V, 12VA, 12VB, 12VC, 5Vaux</td>
</tr>
<tr>
<td>Type</td>
<td>350 W APFC</td>
<td>460 W APFC, 460 W Bronze</td>
</tr>
<tr>
<td>Input voltage</td>
<td>100 VAC–240 VAC</td>
<td></td>
</tr>
<tr>
<td>Input frequency</td>
<td>50 Hz–60 Hz</td>
<td></td>
</tr>
<tr>
<td>Temperature range: Operating</td>
<td>5°C to 50°C (41°F to 122°F)</td>
<td></td>
</tr>
<tr>
<td>Temperature range: Storage</td>
<td>−40°C to 70°C (−40°F to 158°F)</td>
<td></td>
</tr>
</tbody>
</table>

**Computer Environment**

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Operating</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>5°C to 35°C (41°F to 95°F)</td>
<td>−40°C to 65°C (−40°F to 149°F)</td>
</tr>
<tr>
<td>Characteristic</td>
<td>Maximum Values</td>
<td></td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Relative humidity (maximum)</td>
<td>10% to 90% (non-condensing)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0% to 95% (non-condensing)</td>
<td></td>
</tr>
<tr>
<td>Vibration (maximum)*</td>
<td>0.26 GRMS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.37 GRMS</td>
<td></td>
</tr>
<tr>
<td>Shock (maximum)</td>
<td>40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)†</td>
<td></td>
</tr>
<tr>
<td></td>
<td>105 G for 2 ms with a change in velocity of 52.5 in/s (133 cm/s)‡</td>
<td></td>
</tr>
<tr>
<td>Altitude (maximum)</td>
<td>-15.20 m to 3048 m (–50 ft to 10,000 ft)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-15.20 m to 10,668 m (–50 ft to 35,000 ft)</td>
<td></td>
</tr>
</tbody>
</table>

* 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:

- Information about Dell products and services: www.dell.com

- Windows 8.1 and Windows 10: Dell Help & Support app

- Windows 10: Get started app

- Windows 8.1: Help + Tips app


- Accessing help in Windows 7: Click Start → Help and Support.

- Online help for operating system: www.dell.com/support/windows
  www.dell.com/support/linux
  www.dell.com/support

- Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

- 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.