

XPS 13

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.

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Set up your computer

- 1 Connect the power adapter and press the power button.



NOTE: To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

- 2 Finish operating system setup.

For Ubuntu:

Follow the instructions on the screen to finish 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.

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.

- 3 Locate and use Dell apps from the Windows Start menu—Recommended

Table 1. Locate Dell apps



Dell Product Registration

Register your computer with Dell.



Dell Help & Support

Access help and support for your computer.



SupportAssist

Proactively checks the health of your computer's hardware and software.

NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.



Dell Update

Updates your computer with critical fixes and important device drivers as they become available.



Dell Digital Delivery

Download software applications including software that is purchased but not pre-installed on your computer.

- 4 Create recovery drive for Windows.

NOTE: It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

NOTE: This process may take up to an hour to complete.

NOTE: The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

- 1 Connect the USB flash drive to your computer.
- 2 In Windows search, type *Recovery*.
- 3 In the search results, click **Create a recovery drive**.
The **User Account Control** window is displayed.
- 4 Click **Yes** to continue.
The **Recovery Drive** window is displayed.
- 5 Select **Back up system files to the recovery drive** and click **Next**.
- 6 Select the **USB flash drive** and click **Next**.
A message appears, indicating that all data in the USB flash drive will be deleted.
- 7 Click **Create**.
- 8 Click **Finish**.

Reinstall Windows using a USB recovery drive

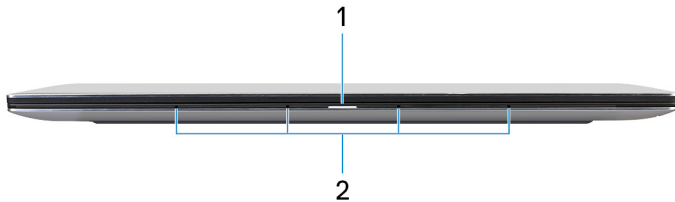
CAUTION: This process formats the hard drive and removes all data on your computer. Ensure that you back up data on your computer before beginning this task.

NOTE: Before reinstalling Windows, ensure your computer has more than 2 GB of memory and more than 32 GB of storage space.

NOTE: This process may take up to an hour to complete and your computer will restart during the recovery process.

- 1 Connect the USB recovery drive to your computer.
- 2 Restart your computer.
- 3 Press F12 after the Dell logo is displayed on the screen to access the boot menu.
A **Preparing one-time boot menu** message appears.
- 4 After the boot menu loads, select the USB recovery device under **UEFI BOOT**.
The system reboots and a screen to **Choose the keyboard layout** is displayed.
- 5 Choose your keyboard layout.
- 6 In the **Choose an option** screen, click **Troubleshoot**.
- 7 Click **Recover from a drive**.
- 8 Choose one of the following options:
 - **Just remove my files** to do a quick format.
 - **Fully clean the drive** to do a complete format.
- 9 Click **Recover** to start the recovery process.

Front



1 Power and battery-status light

Indicates the power state and battery state of the computer.

Solid white—Power adapter is connected and the battery is charging.

Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

2 Microphones (4)

Provide digital sound input for audio recording, voice calls, and so on.

Left



1 Security-cable slot (for Noble locks)

Connect a security cable to prevent unauthorized movement of your computer.

2 Thunderbolt 3 (USB Type-C) port with Power Delivery (Primary)

Supports USB 3.1 Gen 2, DisplayPort 1.2, Thunderbolt 3 and also enables you to connect to an external display using a display adapter. Provides data transfer rates up to 10 Gbps for USB 3.1 Gen 2 and up to 40 Gbps for Thunderbolt 3. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5V/3A power output that enables faster charging.

NOTE: Adapters (sold separately) are required to connect standard USB and DisplayPort devices.

3 Thunderbolt 3 (USB Type-C) port with Power Delivery

Supports USB 3.1 Gen 2, DisplayPort 1.2, Thunderbolt 3 and also enables you to connect to an external display using a display adapter. Provides data transfer rates up to 10 Gbps for USB 3.1 Gen 2 and up to 40 Gbps for Thunderbolt 3. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5V/3A power output that enables faster charging.

NOTE: Adapters (sold separately) are required to connect standard USB and DisplayPort devices.

4 **Battery-charge status button**

Press to check the charge remaining in the battery.

5 **Battery-charge status lights (5)**

Turns on when the battery-charge status button is pressed. Each light indicates approximately 20% charge.

6 **Left speaker**

Provides audio output.

Right



1 **Right speaker**

Provides audio output.

2 **microSD-card slot**

Insert a microSD card to expand the computer's storage capacity. Your computer supports a microSD card with capacity up to 128 GB.

3 **USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort**

Connect peripherals such as external storage devices, printers, and external displays.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 7.5 W power output that enables faster charging.

NOTE: An adapter (sold separately) is required to connect a DisplayPort device.

4 **Headset port**

Connect headphones or a headset (headphone and microphone combo).

Base



1 Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

2 Left-click area

Press to left-click.

3 Right-click area

Press to right-click.

4 Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10 seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button to log in.

- ① **NOTE:** Before using the fingerprint reader, configure it in Windows to recognize your fingerprint as a passcode and enable access. For more information, see www.dell.com/support/windows.
- ① **NOTE:** You can customize power-button behavior in Windows. For more information, see *Me and My Dell* at www.dell.com/support/manuals.
- ① **NOTE:** The power-status light on the power button is available only on computers without the optional fingerprint reader.

Display



1 Infrared emitter

Emits infrared light, which enables the infrared camera to sense and track motion.

2 Infrared camera

Enhances security when paired with Windows Hello face authentication.

3 Camera-status light

Turns on when the camera is in use.

4 Camera

Enables you to video chat, capture photos, and record videos.

5 Infrared emitter



Emits infrared light, which enables the infrared camera to sense and track motion.

Bottom



1

1 **Service Tag**

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

Specifications

Computer model

XPS 13-9370

System information

Table 2. System information

Processor	8 th Generation Intel Core i5/i7
Chipset	Integrated in the processor

Dimensions and weight

Table 3. Dimensions and weight

Height	<ul style="list-style-type: none"> Black color: 16.14 mm (0.63 in) White color: 16.24 mm (0.64 in)
Width	301.76 mm (11.88 in)
Depth	199.24 mm (7.84 in)
Weight	1.27 kg (2.8 lb)

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

Operating system

Table 4. Operating system

Operating systems supported	<ul style="list-style-type: none"> Windows 10 Home 64-bit Windows 10 Professional 64-bit Ubuntu
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Memory

Table 5. Memory specifications

Slots	Onboard memory
Type	Dual-channel LPDDR3



Speed	1866 MHz and 2133 MHz
Configurations supported	
Total memory	4 GB, 8 GB, and 16 GB

Ports and connectors

Table 6. Ports and connectors

External:

USB/Video	<ul style="list-style-type: none"> Two Thunderbolt 3 (USB Type-C) ports with Power Delivery One USB 3.1 Gen 1 (USB Type-C) port with Power Delivery/DisplayPort
Audio	One headset (headphone and microphone combo) port

Table 7. Ports and connectors

Internal:

M.2 card	One M.2 slot for Solid-State Drive (SSD)
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Communications

Table 8. Supported communications

Wireless	<ul style="list-style-type: none"> Wi-Fi 802.11a/b/g/n/ac Bluetooth 4.2 Miracast <p>NOTE: Windows 10 currently supports up to Bluetooth 4.1.</p>
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Wireless

Table 9. Wireless

Transfer rate (maximum)	867 Mbps
Frequency bands	2.4 GHz/5 GHz
Encryption	64-bit/128-bit WEP

Audio

Table 10. Audio specifications

Controller	Realtek ALC3271-CG with Waves MaxxAudio Pro
Speakers	Two
Speaker output	<ul style="list-style-type: none"> Average: 2 W



Microphone

- Peak: 2.5 W

Digital-array microphones

Storage

Table 11. Storage specifications

Type	Interface	Capacity
One M.2 2280 Solid-State Drive (SSD)	<ul style="list-style-type: none"> • SATA AHCI, Up to 6 Gbps • PCIe Gen 3x4 NVME, Up to 32 Gbps 	<ul style="list-style-type: none"> • Up to 128 GB • Up to 1 TB

NOTE: RAID SATA support in the BIOS Settings menu is only available on computers supporting Windows 10.

NOTE: AHCI SATA support in the BIOS settings menu is only available on computers supporting Ubuntu.

Media-card reader

Table 12. Media-card reader specifications

Type	One microSD-card slot
Cards supported	<ul style="list-style-type: none"> • mSD • mSDHC • mSDXC

Keyboard

Table 13. Keyboard specifications

Type	Backlit keyboard
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.

NOTE: Press Fn+Esc to switch the primary behavior of the function keys (F1-F12) between two modes - multimedia key mode and function key mode.

[Keyboard shortcuts](#)

Camera

Table 14. Camera specifications

Resolution	
Camera	<ul style="list-style-type: none"> • Still image: 0.92 megapixels



Infrared camera	<ul style="list-style-type: none"> Video: 1280 x 720 at 30 fps
	340 x 340
	<ul style="list-style-type: none"> Still image: 0.30 megapixels Video: 340 x 340 at 60 fps
Diagonal viewing angle	
Camera	86.7 degrees
Infrared camera	70 degrees

Touchpad

Table 15. Touchpad

Resolution	<ul style="list-style-type: none"> Horizontal: 305 Vertical: 305
Dimensions	<ul style="list-style-type: none"> Width: 105 mm (4.13 in) Height: 60 mm (2.36 in)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article [4027871](https://support.microsoft.com/4027871) at support.microsoft.com.

Power adapter

Table 16. Power adapter specifications

Type	45 W USB Type-C
Dimensions (connector)	8.25 mm x 2.4 mm
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.30 A
Output current (continuous)	<ul style="list-style-type: none"> 20 VDC/2.25 A 15 VDC/3 A 9 VDC/3 A 5 VDC/3 A
Rated output voltage	20 VDC/15 VDC/9 VDC/5 VDC
Temperature range (operating)	0°C to 40°C (32°F to 104°F)
Temperature range (storage)	–40°C to 70°C (–40°F to 158°F)

Battery

Table 17. Battery specifications

Type	52 WHr "smart" lithium-ion
Dimension:	
Width	257.60 mm (10.14 in)
Depth	98.60 mm (3.88 in)
Height	4.30 mm (0.17 in)
Weight (maximum)	0.22 kg (0.49 lb)
Voltage	7.60 VDC
Charging time when the computer is off (approximate)	4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range: Operating	0°C to 35°C (32°F to 95°F)
Temperature range: Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	ML1220

NOTE: It is recommended that you use a Dell coin-cell battery for your computer. Dell does not provide warranty coverage for problems caused by using accessories, parts, or components not supplied by Dell.

Display

Table 18. Display specifications

Type	13.3-inch FHD touchscreen/13.3-inch FHD non-touchscreen	13.3-inch UHD touchscreen
Resolution (maximum)	1920 x 1080	3840 x 2160
Viewing angle (Left/Right/Down/Up)	85/85/85/85 degrees	
Pixel pitch	0.0765 mm	
Refresh rate	60 HZ	
Operating angle	0 degrees (closed) to 135 degrees	
Controls	Brightness can be controlled using shortcut keys	
Dimension:		
Height (excluding bezel)	165.24 mm (6.51 in)	
Width (excluding bezel)	293.76 mm (11.57 in)	
Diagonal (excluding bezel)	337.82 mm (13.30 in)	



Video

Table 19. Video specifications

Type	Integrated
Controller	Intel UHD Graphics 620
Memory	Shared system memory

Computer environment

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

Table 20. Computer environment

	Operating	Storage
Temperature range	0°C to 35°C (32°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)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G [†]	160 G [‡]
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 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.














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



Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Table 21. List of keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Launch Task View
	Switch to external display
	Search
	Toggle keyboard backlight
	Printscreen
	Insert
	Turn off/on wireless

Keys**Description**

Sleep



Increase brightness



Decrease brightness



Open application menu



Toggle Fn-key lock

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 22. Self-help resources

Information about Dell products and services

www.dell.com

Dell Help & Support app



Tips



Contact Support

In Windows search, type `Contact Support`, and press Enter.

Online help for operating system

www.dell.com/support/windows

www.dell.com/support/linux

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

www.dell.com/support

Dell knowledge base articles for a variety of computer concerns.

- 1 Go to www.dell.com/support.
- 2 Type the subject or keyword in the **Search** box.
- 3 Click **Search** to retrieve the related articles.

Learn and know the following information about your product:

See *Me and My Dell* at www.dell.com/support/manuals.

- Product specifications
- Operating system
- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics
- Factory and system restore
- BIOS information

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

- Select **Detect Product**.
- Locate your product through the drop-down menu under **View Products**.
- Enter the **Service Tag number** or **Product ID** in the search bar.

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.

