

XPS 15 2-in-1

Setup and Specifications

Notes, cautions, and warnings

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

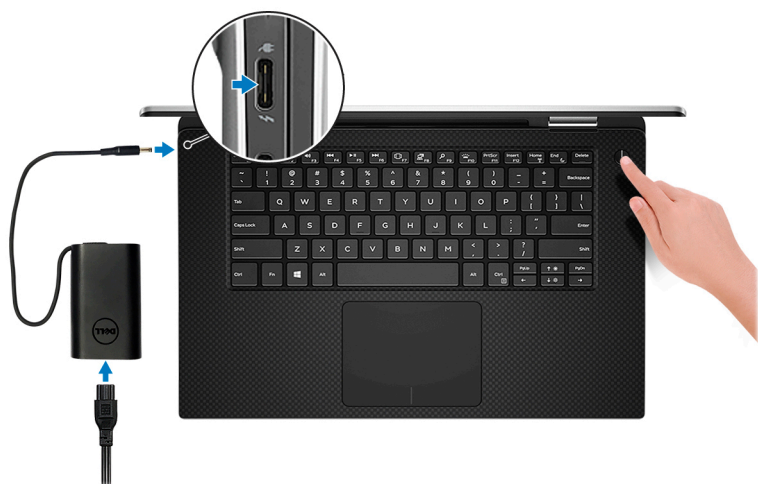
 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **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: The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

NOTE: Use any USB Type-C port to charge your computer; the primary-charging port is indicated by the power-adaptor icon.

2. Complete the operating system setup.

Table 1. Operating system setup

Operating system	Setup instructions
Windows	Follow the on-screen instructions to complete the setup. When setting up, it is recommended that you connect to a secure network to download and install the latest Windows updates.
Ubuntu	Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, see the knowledge base articles SLN151664 and SLN151748 at www.dell.com/support .

3. If Windows is installed on your computer, there are Dell apps with which you can get assistance and software updates.

NOTE: Dell apps are not available on Ubuntu.

Table 2. Dell apps






Dell app	Description
	My Dell Access Dell applications, help articles, and other important information about your computer. My Dell also notifies you about the warranty status, recommended accessories, and software updates for your computer.
	SupportAssist Pro-actively checks the health of your computer's hardware and software and troubleshoots issues with the operating system. For more information about the app, see the SupportAssist documentation at www.dell.com/support .

Table 2. Dell apps (continued)

Dell app	Description
	 NOTE: To renew or upgrade your warranty in the SupportAssist app, click the warranty expiry date.
	Dell Update Updates your computer with critical fixes and latest device drivers. For more information about the app, see the knowledge base article SLN305843 at www.dell.com/support .
	Dell Digital Delivery Download software applications, which are purchased but not pre-installed on your computer. For more information about the app, see the knowledge base article 153764 at www.dell.com/support .

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. Left speaker

Provides audio output.

2. Service Tag label

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.

3. Right speaker

Provides audio output.

Left



1. 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 5 V/3 A power output that enables faster charging.

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

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

Supports USB 3.1 Gen 2 Type-C, 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 5 V/3 A power output that enables faster charging.

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

3. microSD-card slot

Reads from and writes to the microSD-card.

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. **Dell Premium Active Pen magnets**

Secures the Dell Premium Active Pen PN579X to the computer chassis.

Right



1. **USB 3.1 Gen 1 (Type-C) port with Power Delivery/DisplayPort (2)**

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.

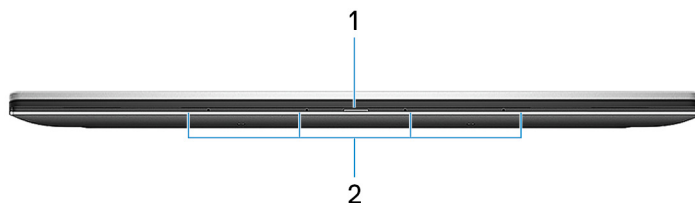
2. **Headset port**

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

3. **Security-cable slot (for Noble locks)**

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

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.

NOTE: On certain computer models, the power and battery-status light is also used for system diagnostics. For more information, see the *Troubleshooting* section in your computer's *Service Manual*.

2. **Digital-array microphones (4)**

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

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.

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

NOTE: The power-status light on the power button is available only on computers without the optional fingerprint reader. Computers shipped with the fingerprint reader integrated on the power button will not have the power-status light on the power button.

NOTE: To reset the battery, press and hold the power button for 25 seconds.

Modes

Notebook



Tablet



Stand



Tent



Dell Premium Active Pen PN579X—Optional



For more information, see www.dell.com/support.

Specifications

Computer model

XPS 15-9575

System information

Table 3. System information

Processor	8 th Generation Intel Core i5/i7
Chipset	Intel GL82QM175


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
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Dimensions and weight

Table 5. Dimensions and weight

Height	16 mm (0.62 in)
Width	354 mm (13.93 in)
Depth	235 mm (9.25 in)
Weight	2 kg (4.36 lb)
	 NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.

Memory

Table 6. Memory specifications


Slots	Onboard memory  NOTE: The memory is integrated on the system board from the factory and it cannot be upgraded later.
Type	DDR4
Total memory supported	8 GB and 16 GB
Speed	2400 MHz
Maximum memory	16 GB

Table 6. Memory specifications (continued)

Minimum memory		8 GB
Memory per slot		Not applicable
Configurations supported:		
	8 GB	2400 MHz
	16 GB	2400 MHz

Ports and connectors

Table 7. Ports and connectors

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

Table 8. Ports and connectors

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

Communications

Table 9. Supported communications

Wireless (integrated with the I/O board)	<ul style="list-style-type: none"> Wi-Fi 802.11a/g/n/ac Bluetooth 4.1
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Wireless

Table 10. Wireless

Type	Killer 1435-S	Intel 8265
Transfer rate (maximum)	867 Mbps	867 Mbps
Frequency bands	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP 	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP

Audio

Table 11. Audio specifications

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

Table 11. Audio specifications (continued)

	<ul style="list-style-type: none">• Peak: 2.5 W
Microphone	Digital-array microphones

Storage

Table 12. Storage specifications

Storage type	Interface type	Capacity
One M.2 2280 Solid-state drive	SATA/PCIe	Up to 1 TB

Media-card reader

Table 13. Media-card reader specifications

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


Fingerprint reader

Table 14. Fingerprint reader specifications

Sensor type	Goodix GF5288WN1
Sensor technology	Touch
Sensor resolution	108 pixels x 88 pixels
Sensor area	5.5 mm x 4.5 mm
Pixel per inch	500

Keyboard

Table 15. Keyboard specifications

Type	Backlit keyboard
Shortcut keys	<p>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.</p> <p> 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.</p> <p>Keyboard shortcuts</p>

Camera

Table 16. Camera specifications

Resolution:		
	Camera	<ul style="list-style-type: none">Still image: 0.92 megapixel (HD)Video: 1280 x 720 (HD) at 30 fps
	Infrared camera	340 x 340 for Hello application
Diagonal viewing angle:		
	Camera	86.7 degrees
	Infrared camera	70 degrees

Touchpad

Table 17. Touchpad

Resolution	1219 x 919
Dimensions	<ul style="list-style-type: none">Width: 105 mm (4.13 in)Height: 80 mm (3.14 in)

Touchpad gestures

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

Power adapter

Table 18. Power adapter specifications

Type	130 W USB Type-C
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.80 A
Output current (continuous)	6.50 A
Rated output voltage	20 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 19. Battery specifications

Type		6-cell "smart" lithium-ion (75 WHr)
Dimension:		
	Width	305.80 mm (12.04 in)

Table 19. Battery specifications (continued)

	Depth	88.05 mm (3.47 in)
	Height	6.10 mm (0.24 in)
Weight (maximum)		0.32 kg (0.71 lb)
Voltage		11.4 VDC
Charging time when the computer is off (approximate):		
	Standard charge	0°C to 60°C: 4 hours
	Express charge	0°C to 35°C: 4 hours
		16°C to 45°C: 2 hours
		46°C to 60°C: 3 hours
Temperature range: Operating		0°C to 35°C (32°F to 95°F)
Temperature range: Storage		–20°C to 60°C (–4°F to 140°F)
Coin-cell battery		CR 2032

Video

Table 20. Video specifications

Controller	<ul style="list-style-type: none"> Radeon RX Vega M Graphics Intel HD Graphics 630
Memory	HBM2 4 GB

Display

Table 21. Display specifications

	15.6-inch FHD touchscreen	15.6-inch UHD touchscreen
Resolution (maximum)	1920 x 1080	3840 x 2160
Viewing angle (Left/Right/Down/Up)	89/89/89/89 degrees	89/89/89/89 degrees
Pixel pitch	0.17925 mm	0.08964 mm
Dimension: (excluding bezel)		
Height	344.16 mm (13.54 in)	344.22 mm (13.55 in)
Width	193.59 mm (7.62 in)	193.62 mm (7.62 in)
Diagonal	396.24 mm (15.60 in)	
Refresh rate	60 Hz	
Operating angle	0 degrees (closed) to 360 degrees	
Panel technology	In-plane switching	
Controls	Brightness can be controlled using shortcut keys	

Computer environment

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

Table 22. 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 23. List of keyboard shortcuts























Keys	Description
 F1	Mute audio
 F2	Decrease volume
 F3	Increase volume
 F4	Play previous track/chapter
 F5	Play/Pause
 F6	Play next track/chapter
 F7	Launch Task View
 F8	Switch to external display
 F9	Search
 F10	Toggle keyboard backlight
 F11	Printscreen
 F12	Insert
	Turn off/on wireless

Table 23. List of keyboard shortcuts (continued)



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 24. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	www.dell.com/support/windows
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	<p>Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support.</p> <p>For more information on how to find the Service Tag for your computer, see Locate the Service Tag for your Dell Laptop.</p>
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

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

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

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