XPS 15 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.

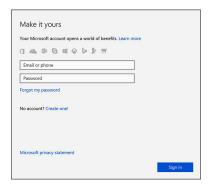




- **2** Follow the instructions on the screen to finish Windows setup:
 - a) Connect to your network.



b) Sign in to your Microsoft account or create a new account.





3 Locate Dell apps.

Table 1. Locate Dell apps



Register your computer

Dell Help & Support







SupportAssist — Check and update your computer



Views

Front



1 Left microphone

Provides digital sound input for audio recording and voice calls.

2 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.

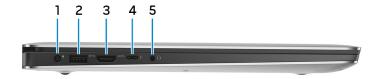
Solid amber—Battery charge is low or critical.

Off—Battery is fully charged.

3 Right microphone

Provides digital sound input for audio recording and voice calls.

Left



1 Power-adapter port

Connect a power adapter to provide power to your computer and charge the battery.

2 USB 3.1 Gen 1 port with PowerShare

Connect peripherals such as storage devices and printers.

D&LL

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

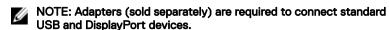
- NOTE: If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.
- NOTE: If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.
- NOTE: Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

3 HDMI port

Connect a TV or another HDMI-in enabled device. Provides video and audio output.

4 Thunderbolt port with Power Delivery (USB 3.1 Gen 2 Type-C)

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.



5 Headset port

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

Right



1 SD-card slot

Reads from and writes to the SD card.



2 USB 3.1 Gen 1 port with PowerShare

Connect peripherals such as storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.



NOTE: If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.



NOTE: If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.



NOTE: Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

3 Battery-charge status lights (5)

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

4 Battery-charge status button

Press to check the charge remaining in the battery.

5 Security-cable slot (for Kensington locks)

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



Base



1 Left-click area

Press to left-click.

2 Touchpad

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

3 Right-click area

Press to right-click.

4 Fingerprint reader (optional)

Press your finger on the fingerprint reader to log in to your computer. The fingerprint reader enables your computer to recognize your fingerprints as a password.



NOTE: You must configure the fingerprint reader to register your fingerprint and enable access.

5 Power button

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



Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.

Press and hold for 25 seconds to force Real Time Clock (RTC) battery reset.



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

Display



1 Camera

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

2 Camera-status light

Turns on when the camera is in use.

3 Left speaker

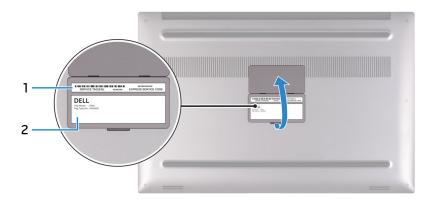
Provides audio output.

4 Right speaker

Provides audio output.



Bottom



1 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.

2 Regulatory label

Contains regulatory information of your computer.



Specifications

Dimensions and weight

Table 2. Dimensions and weight

Height 17 mm (0.66 in)
Width 357 mm (14.06 in)

Depth 235 mm (9.27 in)

Weight (maximum)

Touch: 2.06 kg (4.54 lb)

· Non-touch: 1.88 kg (4.14 lb)

Ø

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 15-9560

Processor • 7th generation Intel Core i3

7th generation Intel Quad Core i5/i7

Chipset Mobile Intel HM175 Express Chipset

Memory

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Table 4. Memory specifications

Slots Two SODIMM slots

Type DDR4

Speed 2400 MHz

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Communications

Table 5. Supported communications

Wireless • Wi-Fi 802.11 ac

Wi-Fi 802.11 a/b/g/n

· Bluetooth 4.2

· Miracast

Audio

Table 6. Audio specifications

Controller Realtek ALC3266 with Waves

MaxxAudio Pro

Speakers Two

Speaker output · Average: 2 W

· Peak: 2.5 W

Microphone Digital-array microphones

Volume controls Media-control shortcut keys

Storage

Table 7. Storage specifications

Interface . SATA 3 Gbps

· SATA 6 Gbps

· PCIE Gen 3

Hard drive One 2.5-inch drive

Solid-state drive One M.2 drive



Media-card reader

Table 8. Media-card specifications

Type One SD-card slot

Cards supported . SD card

SD High Capacity (SDHC)

· SD Extended Capacity (SDXC)

Keyboard

Table 9. Keyboard specifications

Type Backlit keyboard

Shortcut keys Some keys on your keyboard have two symbols on them. These keys can be

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: You can define the primary behavior of the function keys (F1-F12) by changing Function Key Behavior in BIOS setup program.

Keyboard shortcuts

Camera

Table 10. Camera specifications

Resolution • Still image: 0.90 megapixel

Video: 1280 x 720 (HD) at 30 fps

(maximum)

Diagonal viewing angle 74 degrees

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Touch pad

Table 11. Touch pad specifications

Resolution · Horizontal: 1219

Vertical: 919

Dimensions • Height: 80 mm (3.15 in)

• Width: 105 mm (4.13 in)

Power adapter

Table 12. Power adapter specifications

Type 130 W

Diameter (Connector) 4.5 mm

Input voltage 100 VAC-240 VAC

Input frequency 50 Hz-60 Hz

Input current (maximum) 1.80 A

Output current (continuous) 6.67 A

Rated output voltage 19.50 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 13. Battery specifications

 Type
 3-cell (56 WHr)
 6-cell (97 WHr)

 Width
 71.80 mm (2.83 in)
 71.80 mm (2.83 in)

 Depth
 223.20 mm (8.79 in)
 330.50 mm (13.01 in)

 Height
 7.20 mm (0.28 in)
 7.20 mm (0.28 in)



Weight (maximum) 0.24 kg (0.54 lb) 0.34 kg (0.76 lb)

Voltage 11.4 VDC 11.4 VDC

Charging time

(approximate)

4 hours (when the computer is off)

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)
 Storage: -40°C to 65°C (-40°F to 149°F)

Coin-cell battery ML1220

Display

Table 14. Display specifications

Type 15.6-inch WLED FHD non- 15.6-inch WLED UHD

touch touch

Resolution (maximum) 1920 x 1080 3840 x 2160

Viewing angle (Left/

Right/Up/Down)

85/85/85 degrees 85/85/85 degrees

Pixel pitch 0.18 mm 0.09 mm

Height (excluding bezel) 194.40 mm (7.66 in)
Width (excluding bezel) 345.60 mm (13.61 in)

Diagonal (excluding bezel) 396.52 (15.61 in)

Refresh rate 60 Hz

Operating angle 0 degree (closed) to 135 degrees

Controls Brightness can be controlled using shortcut keys



Ports and connectors

Table 15. Ports and connectors

External:	
USB	 Two USB 3.0 ports with PowerShare One Thunderbolt 3 port with Power delivery (USB-C)
Audio/Video	One HDMI portOne headset port (headphone and microphone combo)

Table 16. Ports and connectors

Internal:	
M.2 Card	One M.2 slot for WiFi and Bluetooth combo card

Video

Table 17. Video specifications

	Integrated	Discrete
Controller	Intel HD Graphics 630	NVIDIA GeForce GTX 1050
Memory	Shared system memory	4 GB GDDR5

Computer environment

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



Table 18. 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.



 $[\]dagger$ Measured using a 2 ms half-sine pulse when the hard drive is in use.

Keyboard shortcuts

Table 19. Keyboard shortcuts

Keys	Description
F1	Mute audio
F2 🐞	Decrease volume
F3 ● (0)	Increase volume
F4 I€€	Play previous track/chapter
F5 ▶II	Play/Pause
F6 ▶₩	Play next track/chapter
F8	Switch to external display
F9 P	Search
F10	Toggle keyboard backlight
F11 ☆	Decrease brightness
F12	Increase brightness
Fn + PrtScr	Turn off/on wireless
Fn + Insert	Sleep
Fn + Esc	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 20. Self-help resources

Information about Dell products and services

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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, See *Me and My E* setting up and using your computer, data support/manuals. backup, diagnostics, and so on.

See Me and My Dell at www.dell.com/

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.

