

XPS 15

Setup and Specifications

Computer Model: XPS 15-9560
Regulatory Model: P56G
Regulatory Type: P56F001



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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2017 - 06

Rev. A01

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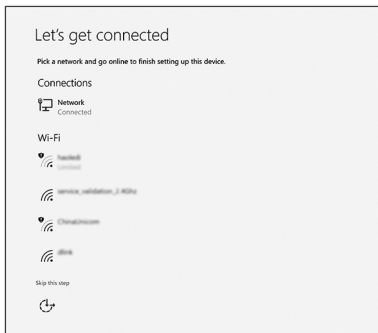


Set up your computer

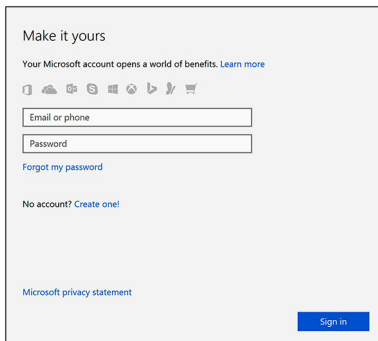
1 Connect the power adapter and press the power button.



- 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.

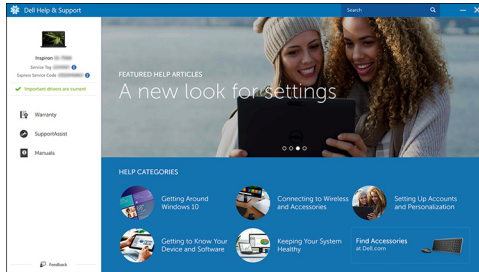
Table 1. Locate Dell apps



Register your computer



Dell Help & Support

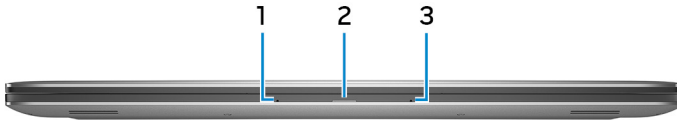


SupportAssist — Check and update your computer



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-adaptor 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.

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.

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

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**

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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.

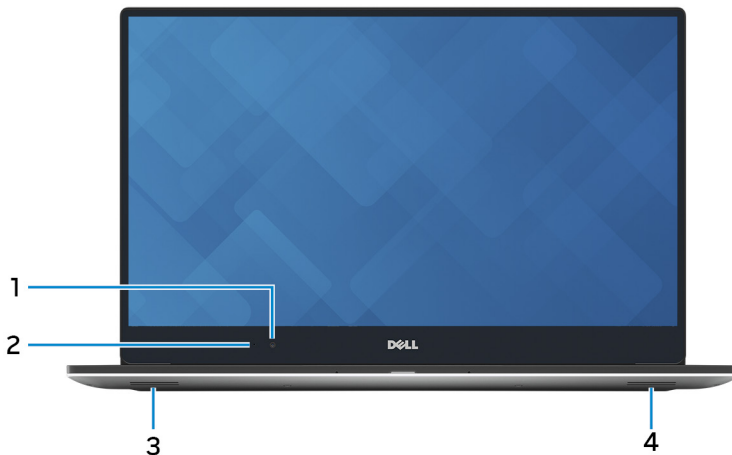
Press and hold for 4 seconds to force shut-down the computer.

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.

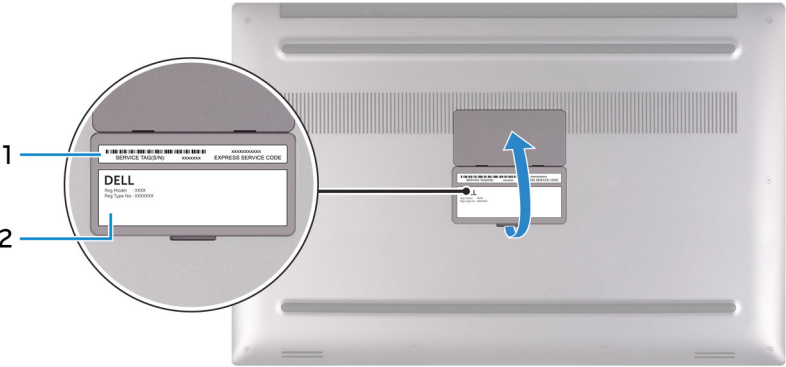
3 **Left speaker**

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)	<ul style="list-style-type: none">• Touch: 2.06 kg (4.54 lb)• Non-touch: 1.88 kg (4.14 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 15-9560
Processor	<ul style="list-style-type: none">• 7th generation Intel Core i3• 7th generation Intel Quad Core i5/i7
Chipset	Mobile Intel HM175 Express Chipset

Memory

Table 4. Memory specifications

Slots	Two SODIMM slots
Type	DDR4
Speed	2400 MHz



Configurations supported

4 GB, 8 GB, 16 GB, and 32 GB

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	<ul style="list-style-type: none">• 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 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	<ul style="list-style-type: none">• Still image: 0.90 megapixel• Video: 1280 x 720 (HD) at 30 fps (maximum)
Diagonal viewing angle	74 degrees

Touch pad

Table 11. Touch pad specifications

Resolution	<ul style="list-style-type: none">Horizontal: 1219Vertical: 919
Dimensions	<ul style="list-style-type: none">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	<ul style="list-style-type: none"> • 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-touch	15.6-inch WLED UHD touch
Resolution (maximum)	1920 x 1080	3840 x 2160
Viewing angle (Left/Right/Up/Down)	85/85/85/85 degrees	85/85/85/85 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	<ul style="list-style-type: none">• Two USB 3.0 ports with PowerShare• One Thunderbolt 3 port with Power delivery (USB-C)
Audio/Video	<ul style="list-style-type: none">• One HDMI port• One 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.

† 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

Table 19. Keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight
	Decrease brightness
	Increase brightness
 + 	Turn off/on wireless
 + 	Sleep
 + 	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

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.

