

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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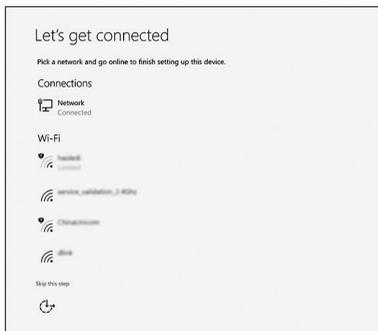


Set up your computer

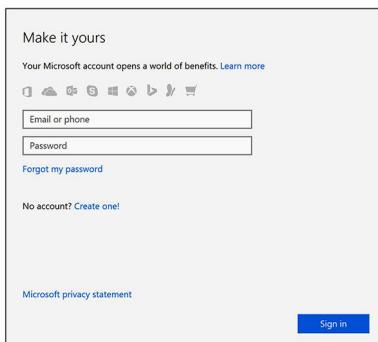
- 1 Connect the power adapter and press the power button.



- 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.

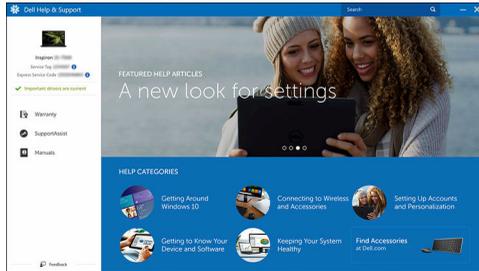
Table 1. Locate Dell apps



Register your computer



Dell Help & Support

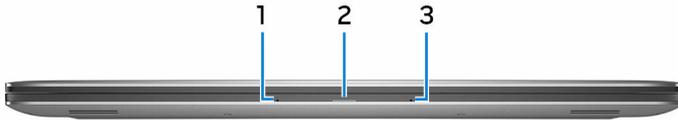


SupportAssist — Check and update your computer



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 3.0 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.**

3 HDMI port

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

4 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.**

5 Headset port

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

Right



1 SD-card slot

Reads from and writes to the SD card.

2 USB 3.0 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 your computer is turned off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.**

 **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 **Touch pad**

Move your finger on the touch pad 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.

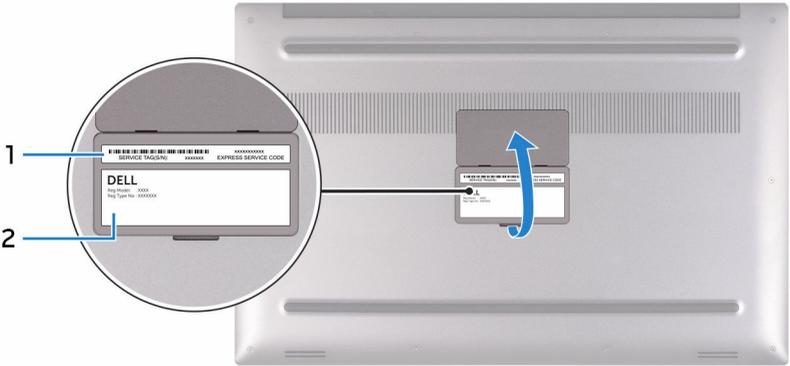


Display



- 1 **Camera**
Enables you to video chat, capture photos, and record videos.
- 2 **Camera-status light**
Turns on when the camera is in use.

Back



- 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/g/n
- Bluetooth 4.1
- 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 |
| 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.

