

Inspiron 5480

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 Inspiron 5480

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

- 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



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**.

For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at www.dell.com/support/manuals.

Views of Inspiron 5480

Right



1 **SD-card slot**

Reads from and writes to the SD card.

2 **USB 2.0 port**

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 480 Mbps.

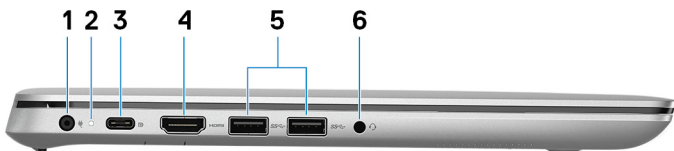
3 **Network port**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or Internet access.

4 **Security-cable slot (for Noble locks)**

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

Left



1 **Power-adaptor port**

Connect a power adapter to provide power to your computer.

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 **USB 3.1 Gen 1 (Type-C) port/DisplayPort**

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer speeds up to 5 Gbps.

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

4 HDMI port

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

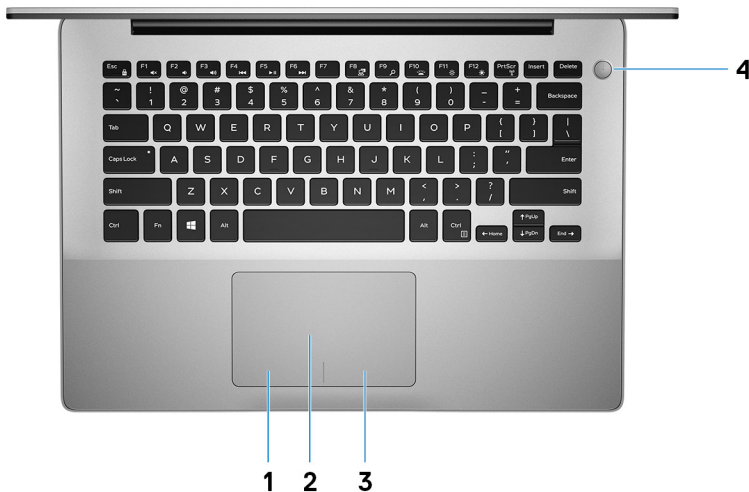
5 USB 3.0 ports (2)

Connect peripherals such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

6 Headset port

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

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 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.

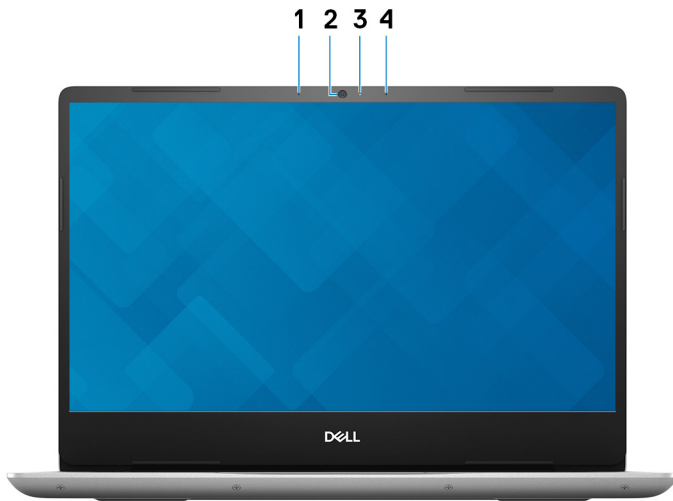
If the power button has a fingerprint reader, place your finger on the power button to log in.

NOTE: 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.

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.

Display



1 Left microphone

Provides digital sound input for audio recording and voice calls.

2 Camera

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

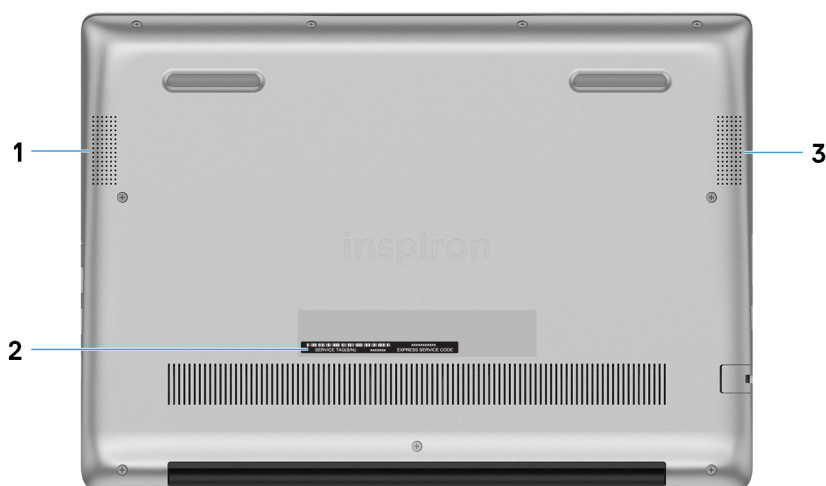
3 Camera-status light

Turns on when the camera is in use.

4 Right microphone

Provides digital sound input for audio recording and voice calls.

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.

Specifications of Inspiron 5480

Computer model

Inspiron 5480

Dimensions and weight

Table 2. Dimensions and weight

Height:

Front 18.77 mm (0.74 in.)

Rear 19.10 mm (0.75 in.)

Width 324.3 mm (12.77 in.)

Depth 232 mm (9.13 in.)

Weight (maximum) 1.63 kg (3.60 lb)

NOTE: The weight of your computer depends on the configuration ordered and the manufacturing variability.

Processors

Table 3. Processor specifications

| Processor | 8 th Generation Intel Core i3 (i3-8145U) | 8 th Generation Intel Core i5 (i5-8265U) | 8 th Generation Intel Core i7 (i7-8565U) |
|-------------------------|--|--|--|
| Wattage | 15 W | 15 W | 15 W |
| Core count/Thread count | 2C/4T | 4C/8T | 4C/8T |
| Speed | 2.1 GHz | 1.6 GHz | 1.8 GHz |
| L2 cache | 256 KiB/core | 256 KiB/core | 256 KiB/core |
| L3 cache | 4 MB | 6 MB | 8 MB |
| Integrated graphics | Intel UHD Graphics 620 | Intel UHD Graphics 620 | Intel UHD Graphics 620 |

Chipset

Table 4. Chipset specifications

| | |
|------------------------|-----------------------------|
| Chipset | Integrated in the processor |
| DRAM bus width | x64 |
| Flash EPROM | 16 MB |
| PCIe bus | Up to Gen3 |
| External bus frequency | Up to 8 GT/s |

Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

Ports and connectors

Table 5. Ports and connectors specifications

External:

| | |
|--|--|
| Network | One RJ-45 port |
| USB | <ul style="list-style-type: none">• One USB 3.1 Gen 1 (Type-C) port/DisplayPort• Two USB 3.1 Gen 1 ports• One USB 2.0 port |
| Audio | One headset (headphone and microphone combo) port |
| Video | One HDMI 1.4 port (supports up to 2K) |
| Memory card reader | One SD-card slot <ul style="list-style-type: none">• Standard SD card• MicroSD via transfer card |
| Micro subscriber identity module (uSIM) card | Not supported |
| Docking port | Not supported |
| Express card | Not supported |
| Power adapter port | 4.5 mm |
| Smart card reader | Not supported |
| Security | Noble lock |

| | |
|------------------|---|
| Legacy ports | Not supported |
| Internal: | |
| Expansion | Not supported |
| M.2 | <ul style="list-style-type: none"> • One M.2 slot for Wi-Fi and Bluetooth combo card • One M.2 2230/2280 slot for solid-state drive/Intel Optane memory |

Memory

Table 6. Memory specifications

| | |
|--------------------------|---|
| Slots | Two SODIMM slots |
| Type | Dual-channel DDR4 |
| Speed | 2666 MHz <i>i</i> NOTE: The 2666 MHz memory functions at 2400 MHz for 8th Generation Intel Core processors. |
| Maximum memory | 32 GB |
| Minimum memory | 8 GB |
| Memory per slot | 4 GB, 8 GB, and 16 GB |
| Configurations supported | <ul style="list-style-type: none"> • 4 GB DDR4 (1 x 4 GB) • 8 GB DDR4 (2 x 4 GB) • 8 GB DDR4 (1 x 8 GB) • 12 GB DDR4 (1 x 4 GB + 1 x 8 GB) • 16 GB DDR4 (2 x 8 GB) • 16 GB DDR4 (1 x 16 GB) • 32 GB DDR4 (2 x 16 GB) |

Communications

Ethernet

Table 7. Ethernet specifications

| | |
|---------------|--|
| Model number | Ethernet controller integrated in the system board |
| Transfer rate | 10/100 Mbps |

Wireless module

Table 8. Wireless module specifications

| | | | | |
|---------------------------|--|--|---|---|
| Model number | Intel 9462 | Intel 9560 | Qualcomm QCA9377 (DW1810) | Qualcomm QCA61x4A (DW1820) |
| Transfer rate | Up to 433 Mbps | Up to 867 Mbps | Up to 433 Mbps | Up to 867 Mbps |
| Frequency bands supported | Dual band 2.4 GHz/5 GHz | Dual band 2.4 GHz/5 GHz | Dual band 2.4 GHz/5 GHz | Dual band 2.4 GHz/5 GHz |
| Wireless standards | <ul style="list-style-type: none"> WiFi 802.11ac WiFi 802.11b/g/n | <ul style="list-style-type: none"> WiFi 802.11ac WiFi 802.11b/g/n | <ul style="list-style-type: none"> WiFi 802.11ac WiFi 802.11b/g/n | <ul style="list-style-type: none"> WiFi 802.11ac WiFi 802.11b/g/n |
| 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 | <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 |
| Bluetooth | <ul style="list-style-type: none"> Bluetooth 4.0 Bluetooth 4.1 Bluetooth 4.2 Bluetooth 5.0 | <ul style="list-style-type: none"> Bluetooth 4.0 Bluetooth 4.1 Bluetooth 4.2 Bluetooth 5.0 | <ul style="list-style-type: none"> Bluetooth 4.0 Bluetooth 4.1 Bluetooth 4.2 | <ul style="list-style-type: none"> Bluetooth 4.0 Bluetooth 4.1 Bluetooth 4.2 |

Audio

Table 9. Audio specifications

| | |
|----------------------------|--|
| Controller | Realtek ALC3204 with Waves MaxxAudio Pro |
| Stereo conversion | 24-bit DAC (Digital-to-Analog) and ADC (Analog-to-Digital) |
| Internal interface | Intel HDA (high-definition audio) |
| External interface | <ul style="list-style-type: none"> 7.1 channel output via HDMI Digital microphone input on camera module Headset combo jack (stereo headphones/microphone-in) |
| Speakers | Two |
| Internal speaker amplifier | Integrated in ALC3204 (Class-D 2W) |
| External volume controls | Media-control shortcut keys |
| Speaker output: | |
| Average | 2 W |
| Peak | 2.5 W |

Subwoofer output

Not supported

Microphone

Digital-array microphones

Storage

Table 10. Storage specifications

| Storage type | Interface type | Capacity |
|-------------------------------------|----------------------------------|--------------|
| One 2.5-inch hard drive | SATA (5400 RPM) | Up to 2 TB |
| One M.2 2230/2280 solid-state drive | PCIe Gen3 x4 NVMe, up to 32 Gbps | Up to 512 GB |

Intel Optane memory (optional)

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

NOTE: Intel Optane memory is supported on computers that meet the following requirements:

- 7th Generation or higher Intel Core i3/i5/i7 processor
- Windows 10 64-bit version or higher (Anniversary Update)
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

Table 11. Intel Optane memory specifications

| | |
|--------------------------|--|
| Interface | PCIe 3x2 NVMe 1.1 |
| Connector | M.2 card slot (2230/2280) |
| Configurations supported | <ul style="list-style-type: none">• 7th Generation or higher Intel Core i3/i5/i7 processor• Windows 10 64-bit version or higher• Intel Rapid Storage Technology driver version 15.9 or higher |
| Capacity | 16 GB |

Media-card reader

Table 12. Media-card reader specifications

| | |
|-----------------|---|
| Type | One SD-card slot |
| Cards supported | <ul style="list-style-type: none">• Secure Digital (SD)• microSD via transfer card |

Keyboard

Table 13. Keyboard specifications

| | |
|------|---|
| Type | <ul style="list-style-type: none">• Standard non-backlit keyboard |
|------|---|

| | |
|----------------|---|
| Layout | <ul style="list-style-type: none"> • Backlit keyboard (optional) |
| Number of keys | <p>QWERTY</p> <ul style="list-style-type: none"> • United States and Canada: 80 keys • United Kingdom: 81 keys • Japan: 84 keys • Brazil: 82 keys |
| Size | <ul style="list-style-type: none"> • X = 19.05 mm (0.75 in.) key pitch • Y = 18.05 mm (0.71 in.) key pitch |
| 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: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.</p> <p>Keyboard shortcuts</p> |

Camera

Table 14. Camera specifications

| | |
|-------------------------|------------------------------|
| Number of cameras | One |
| Type | One HD fixed focus |
| Location | Front (above the LCD screen) |
| Sensor type | CMOS sensor technology |
| Resolution: | |
| Camera: | |
| Still image | 1280 x 720 (HD) |
| Video | 1280 x 720 (HD) at 30 fps |
| Infrared camera: | |
| Still image | Not supported |
| Video | Not supported |
| Diagonal viewing angle: | |
| Camera | 74.9 degrees |

Infrared camera

Not supported

Touchpad

Table 15. Touchpad specifications

Resolution:

| | |
|------------|------|
| Horizontal | 1229 |
| Vertical | 749 |

Dimensions:

| | |
|------------|-------------------|
| Horizontal | 105 mm (4.13 in.) |
| Vertical | 65 mm (2.56 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 | 65 W |
| Diameter (connector) | 4.5 mm | 4.5 mm |
| Input voltage | 100 VAC-240 VAC | 100 VAC-240 VAC |
| Input frequency | 50 Hz-60 Hz | 50 Hz-60 Hz |
| Input current (maximum) | 1.30 A | 1.70 A |
| Output current (continuous) | 2.31 A | 3.34 A |
| Rated output voltage | 19.50 VDC | 19.50 VDC |
| Temperature range: | | |
| Operating | 0°C to 40°C (32°F to 104°F) | 0°C to 40°C (32°F to 104°F) |
| Storage | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |

Battery

Table 17. Battery specifications

| | |
|-----------------------------|--|
| Type | 3-cell "smart" lithium-ion (42 WHr) |
| Voltage | 11.40 VDC |
| Weight (maximum) | 0.2 kg (0.44 lb) |
| Dimensions: | |
| Height | 5.90 mm (0.23 in.) |
| Width | 97.15 mm (3.82 in.) |
| Depth | 184.15 mm (7.25 in.) |
| Temperature range: | |
| Operating | 0°C to 35°C (32°F to 95°F) |
| Storage | -40°C to 65°C (-40°F to 149°F) |
| Operating time | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |
| Charging time (approximate) | 4 hours (when the computer is off) |
| | NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manger application. For more information on the Dell Power Manger see, <i>Me and My Dell</i> on https://www.dell.com/ |
| Life span (approximate) | 300 discharge/charge cycles |
| Coin-cell battery | CR-2032 |

Display

Table 18. Display specifications

| | |
|---------------------------|--------------------------------|
| Type | FHD Anti-Glare |
| Panel technology | In-plane Switching (IPS) panel |
| Luminance (typical) | 220 nits |
| Dimensions (active area): | |
| Height | 173.99 mm (6.85 in.) |
| Width | 309.35 mm (12.18 in.) |

| | |
|-----------------------------|--------------------|
| Diagonal | 355.60 mm (14 in.) |
| Native resolution | 1920 x 1080 |
| Megapixels | 2.07 |
| Pixels Per Inch (PPI) | 157 |
| Contrast ratio (minimum) | 600:1 |
| Response time (maximum) | 35 msec rise/fall |
| Refresh rate | 60 Hz |
| Horizontal view angle | +/- 80 degrees |
| Vertical view angle | +/- 80 degrees |
| Pixel pitch | 0.161 mm |
| Power consumption (maximum) | 3.5 W |
| Anti-glare vs glossy finish | Anti-glare |
| Touch options | Not supported |

Fingerprint reader (optional)

Table 19. Fingerprint reader specifications

| | |
|-------------------|---------------------------------------|
| Sensor technology | Capacitive |
| Sensor resolution | 500 PPI |
| Sensor area | 5.5 mm x 4.4 mm (0.22 in. x 0.17 in.) |
| Sensor pixel size | 108 pixels x 88 pixels |

Video

Table 20. Discrete graphics specifications

| Discrete graphics | | | |
|--------------------------------|---------------------------------|--------------------|--------------------|
| Controller | External display support | Memory size | Memory type |
| Nvidia GeForce MX130/ MX150 | One HDMI port | 2 GB | GDDR5 |

Table 21. Integrated graphics specifications

The following table provides the detailed integrated graphics specifications of Inspiron 5480.

| Controller | External display support | Memory size | Memory type |
|------------------------|--------------------------|----------------------|---------------|
| Intel UHD Graphics 620 | One HDMI port | Shared system memory | System memory |

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 3,048 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 |
|---|--------------------------------------|
|  | Mute audio |
|  | Decrease volume |
|  | Increase volume |
|  | Play previous track/chapter |
|  | Play/Pause |
|  | Play next track/chapter |
|  | Switch to external display |
|  | Search |
|  | Toggle keyboard backlight (optional) |
|  | Decrease brightness |
|  | Increase brightness |
|  | Turn off/on wireless |
|  | Toggle scroll lock |
|  | Toggle Fn-key lock |
|  | Pause/Break |
|  | Sleep |
|  | System request |
|  | System request |

Keys



Description

Toggle between battery-status light and hard-drive activity light



NOTE: Hard-drive activity light is supported only on computers shipped with a hard drive.

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

Information about Dell products and services

www.dell.com

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.