


Latitude 7440

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.

| | |
|---|-----------|
| Chapter 1: Set up your Latitude 7440 | 4 |
| Chapter 2: Views of Latitude 7440 | 6 |
| Right..... | 6 |
| Left..... | 6 |
| Top..... | 7 |
| Display..... | 8 |
| Bottom..... | 9 |
| Service Tag..... | 9 |
| Modes..... | 10 |
| Battery charge and status light | 14 |
| Chapter 3: Specifications of Latitude 7440 | 15 |
| Dimensions and weight..... | 15 |
| Processor..... | 15 |
| Chipset..... | 16 |
| Operating system..... | 16 |
| Memory..... | 16 |
| External ports..... | 17 |
| Internal slots..... | 17 |
| Wireless module..... | 17 |
| Audio..... | 18 |
| Storage..... | 18 |
| Keyboard..... | 19 |
| Camera..... | 19 |
| Clickpad..... | 20 |
| Power adapter..... | 20 |
| Battery..... | 21 |
| Display..... | 22 |
| Fingerprint reader (Optional)..... | 24 |
| Sensor | 24 |
| GPU—Integrated..... | 24 |
| Multiple display support matrix..... | 25 |
| Hardware security..... | 25 |
| Smart-card reader..... | 25 |
| Contactless smart-card reader..... | 25 |
| Contacted smart-card reader..... | 27 |
| Operating and storage environment..... | 28 |
| Chapter 4: ComfortView Plus | 29 |
| Chapter 5: Keyboard shortcuts of Latitude 7440 | 30 |
| Chapter 6: Getting help and contacting Dell | 32 |

Set up your Latitude 7440

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 on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at www.dell.com/support.

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.

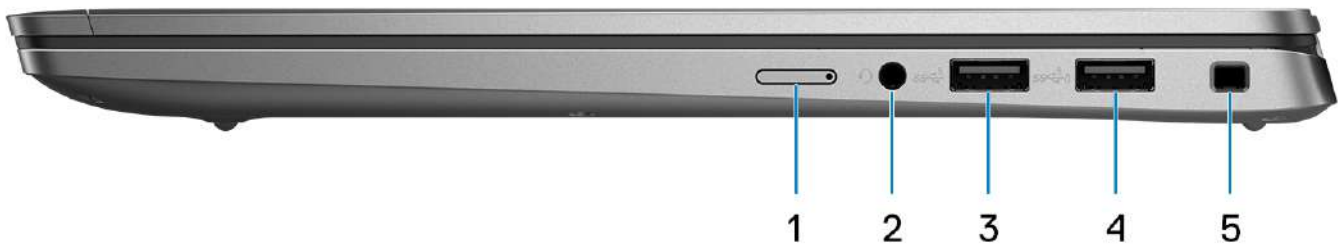
3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps

| Resources | Description |
|---|---|
|  | <p>Dell Product Registration Register your computer with Dell.</p> |
|  | <p>Dell Help & Support Access help and support for your computer.</p> |
|  | <p>SupportAssist SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p> |
|  | <p>Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p> |
|  | <p>Dell Digital Delivery Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p> |

Views of Latitude 7440

Right



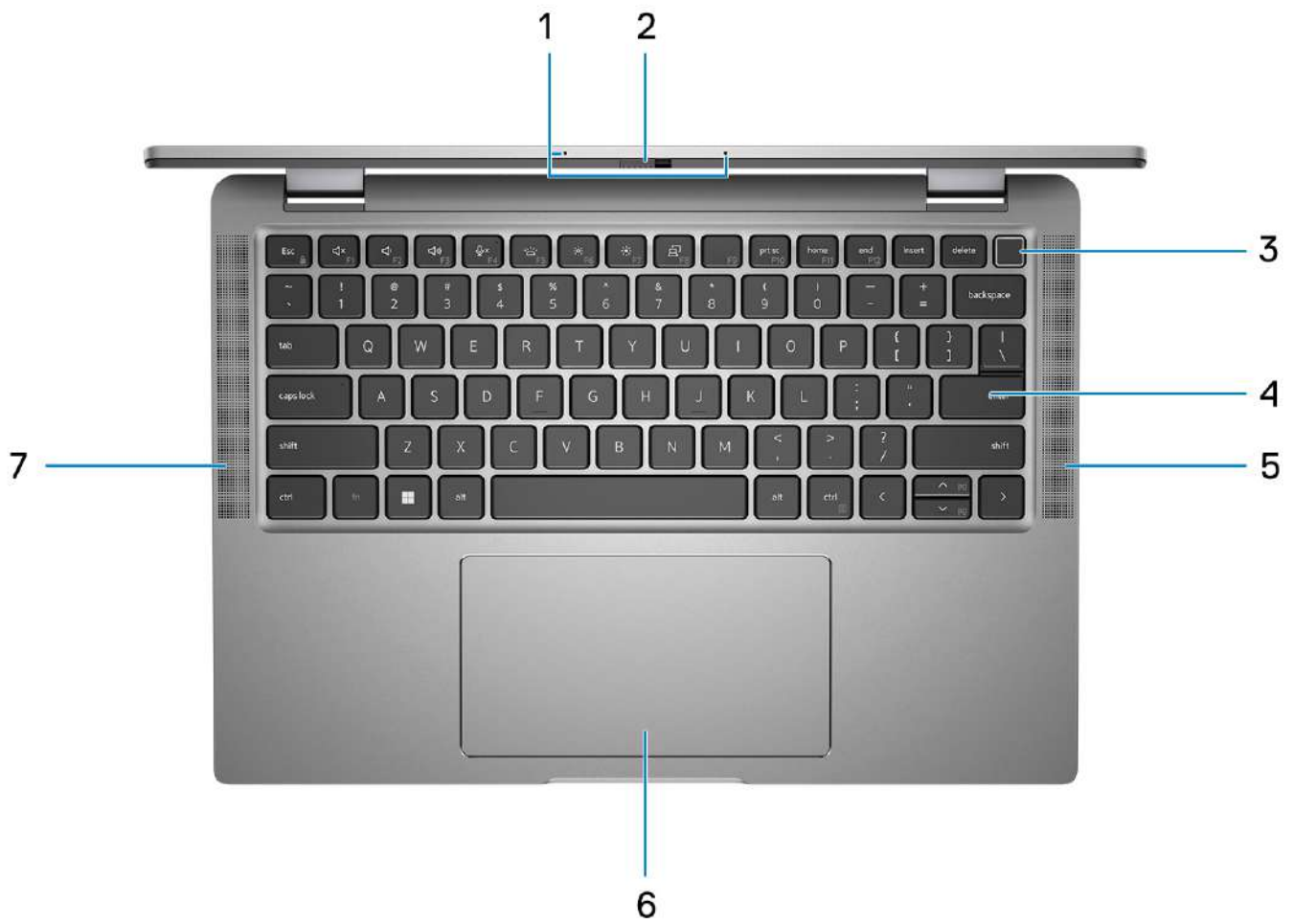
1. NanoSIM slot (optional)
2. Universal audio port
3. USB 3.2 Gen 1 port
4. USB 3.2 Gen 1 port with PowerShare
5. Wedge-shaped lock slot

Left



1. HDMI 2.0 port
2. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
3. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
4. Battery indicator LED
5. Smart-card reader slot (optional)

Top



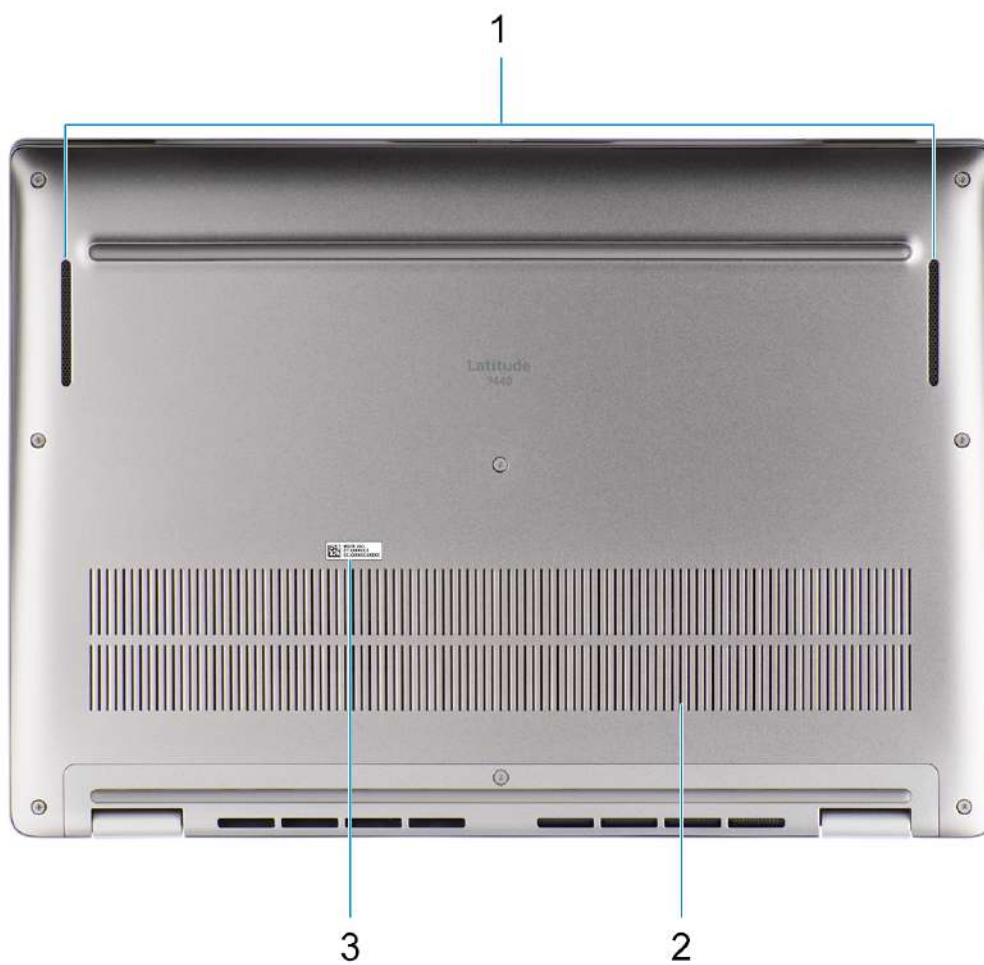
1. Dual array microphone
2. Camera shutter
3. Power button with fingerprint reader (optional)
4. Keyboard
5. Speaker
6. Clickpad
7. Speaker

Display



1. IR emitter (optional)
2. IR camera (optional)
3. RGB camera
4. Camera indicator LED
5. Ambient Light Sensor (ALS, optional)
6. LCD panel

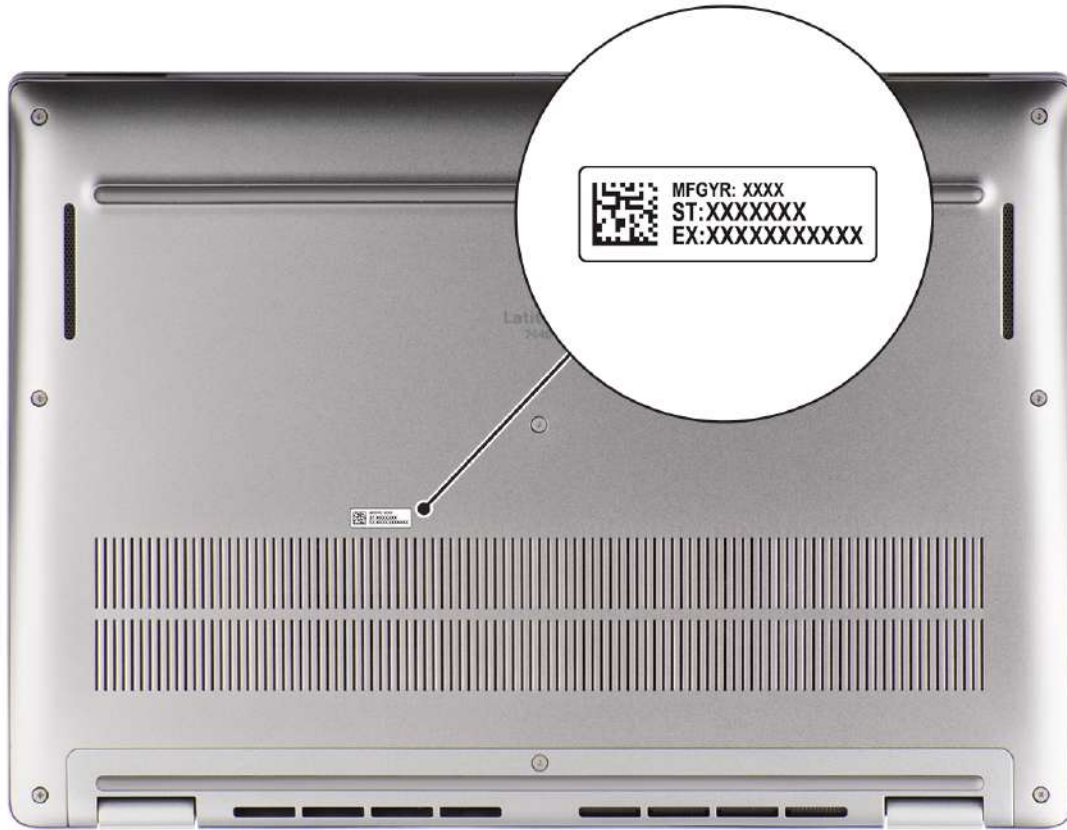
Bottom



1. Speaker
2. Air vents
3. Service Tag

Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.



Modes

i **NOTE:** The following modes are applicable only to Latitude 7440 2-in-1 computers.

Notebook



Tablet



Stand





Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 7440.

Table 2. Battery charge and status light behavior

| Power Source | LED Behavior | System Power State | Battery Charge Level |
|--------------|--------------------------|--------------------|----------------------|
| AC Adapter | Off | S0 - S5 | Fully Charged |
| AC Adapter | Solid White | S0 - S5 | < Fully Charged |
| Battery | Off | S0 - S5 | 11-100% |
| Battery | Solid Amber (590+/-3 nm) | S0 - S5 | < 10% |


- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, expect for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The system is in a shutdown state.

Specifications of Latitude 7440

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 7440.

Table 3. Dimensions and weight

| Description | Laptop-Mainstream | 2-in-1 | Laptop-Ultralight |
|---|----------------------|-----------------------|-----------------------|
| Height: | | | |
| Front height | 17.1 mm (0.67 in.) | 17.1 mm (0.67 in.) | 17.15 mm (0.68 in.) |
| Rear height | 18.21 mm (0.72 in.) | 18.21 mm (0.72 in.) | 17.95 mm (0.71 in.) |
| Width | 313 mm (12.32 in.) | 313.00 mm (12.32 in.) | 313.00 mm (12.32 in.) |
| Depth | 222.75 mm (8.76 in.) | 222.75 mm (8.76 in.) | 220.2 mm (8.66 in.) |
| Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability. | 2.91 lbs. (1.322 kg) | 3.36 lbs. (1.525 kg) | 2.33 lbs. (1.05 kg) |

Processor

The following table lists the details of the processors that are supported by your Latitude 7440.

Table 4. Processor

| Description | Option one | Option two | Option three | Option four | Option five | Option six | Option seven |
|------------------------|---|---|---|---|---|---|---|
| Processor type | 13 th Generation Intel Core i5-1335U | 13 th Generation Intel Core i5-1345U | 13 th Generation Intel Core i7-1355U | 13 th Generation Intel Core i7-1365U | 13 th Generation Intel Core i5-1340P | 13 th Generation Intel Core i5-1350P | 13 th Generation Intel Core i7-1370P |
| Processor wattage | 15 W | 15 W | 15 W | 15 W | 28 W | 28 W | 28 W |
| Processor core count | 10 | 10 | 10 | 10 | 12 | 12 | 14 |
| Processor thread count | 12 | 12 | 12 | 12 | 16 | 16 | 14 |
| Processor speed | 0.9 GHz to 4.6 GHz | 1.2 GHz to 4.7 GHz | 1.2 GHz to 5.0 GHz | 1.3 GHz to 5.2 GHz | 1.4 GHz to 4.6 GHz | 1.4 GHz to 4.7 GHz | 1.4 GHz to 5.2 GHz |
| Processor cache | 12 MB | 12 MB | 12 MB | 12 MB | 12 MB | 12 MB | 24 MB |
| Integrated graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics | Intel Iris X ^e Graphics |

Chipset

The following table lists the details of the chipset supported by your Latitude 7440.

Table 5. Chipset

| Description | Values |
|----------------|--|
| Chipset | Integrated in the processor |
| Processor | 13 th Generation Intel Core i5/i7 |
| DRAM bus width | Dual-channel, 64-bit |
| Flash EPROM | 32 MB + 16 MB |
| PCIe bus | Up to Gen4.0 |

Operating system


Your Latitude 7440 supports the following operating systems:

- Windows 11 2022H2
- Windows 11 2021H2
- Windows 11 Pro Downgrade (Windows 10 image factory installed)
- Ubuntu 22.04, 64-bit

Memory

The following table lists the memory specifications of your Latitude 7440.

Table 6. Memory specifications

| Description | Values |
|---------------------------------|--|
| Memory slots | On-board memory  NOTE: Not upgradable |
| Memory type | Dual-channel, LPDDR5 |
| Memory speed | 4800 MT/s |
| Maximum memory configuration | 32 GB |
| Minimum memory configuration | 8 GB |
| Memory configurations supported | <ul style="list-style-type: none">• 8 GB, Dual-Channel LPDDR5, 4800 MT/s• 16 GB, Dual-Channel LPDDR5, 4800 MT/s• 32 GB, Dual-Channel LPDDR5, 4800 MT/s |

External ports

The following table lists the external ports on your Latitude 7440.


Table 7. External ports

| Description | Values |
|---------------------|---|
| USB ports | <ul style="list-style-type: none">Two Thunderbolt 4 ports with DisplayPort Alt Mode/USB C/USB4/Power DeliveryOne USB 3.2 Gen 1 portOne USB 3.2 Gen 1 port with PowerShare |
| Audio port | One Universal Audio Jack |
| Video port/ports | One HDMI 2.0 |
| Media-card reader | Not supported |
| Power-adaptor port | 60 W/65 W/100 W adapter USB-C |
| Security-cable slot | One wedge-shaped security lock slot |
| Smart Card Reader | Contacted and Contactless + NFC (optional) |
| SIM slot | NanoSIM slot (optional) |

Internal slots

The following table lists the internal slots of your Latitude 7440.

Table 8. Internal slots

| Description | Values |
|-------------|--|
| M.2 | <ul style="list-style-type: none">One M.2 2230 slot for solid-state driveOne M.2 3042 slot for 4G WWAN cardOne M.2 3052 slot for 5G WWAN card <p> NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support.</p> |

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your Latitude 7440.

Table 9. Wireless module specifications

| Description | Values |
|---------------------------|---|
| Model number | Intel AX211 (Integrated on system board) |
| Transfer rate | 2400 Mbps |
| Frequency bands supported | 2.40 GHz/5 GHz/6 GHz |
| Wireless standards | <ul style="list-style-type: none">WiFi 802.11a/b/gWi-Fi 4 (WiFi 802.11n) |

Table 9. Wireless module specifications (continued)

| Description | Values |
|-------------|---|
| | <ul style="list-style-type: none"> • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax) |
| Encryption | <ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP |
| Bluetooth | Bluetooth wireless card |

Audio

The following table lists the audio specifications of your Latitude 7440.

Table 10. Audio specifications

| Description | Values | |
|----------------------------|---------------------------------|-------|
| Audio controller | Realtek ALC3281 | |
| Stereo conversion | Supported | |
| Internal audio interface | High definition audio interface | |
| External audio interface | Universal Audio Jack | |
| Number of speakers | Four | |
| Internal-speaker amplifier | Supported | |
| External volume controls | Supported | |
| Speaker output: | | |
| | Average speaker output | 2 W |
| | Peak speaker output | 2.5 W |
| Subwoofer output | Not supported | |
| Microphone | Dual-array | |

Storage

This section lists the storage options on your Latitude 7440.

Your computer supports the following storage configurations:

- One M.2 2230 solid-state drive

The M.2 2230 solid-state drive is the primary drive of your computer.

Table 11. Storage specifications

| Storage type | Interface type | Capacity |
|----------------------------|-------------------|-------------------------|
| M.2 2230 solid-state drive | PCIe NVMe Gen4 x4 | 256 GB/512 GB/1 TB/2 TB |

Table 11. Storage specifications (continued)

| Storage type | Interface type | Capacity |
|---|-------------------|--------------|
| M.2 2230 solid-state drive, Self-encrypting drive, Opal 2.0 | PCIe NVMe Gen4 x4 | Up to 256 GB |

Keyboard

The following table lists the keyboard specifications of your Latitude 7440.

Table 12. Keyboard specifications

| Description | Values |
|--------------------|--|
| Keyboard type | New Pro 2.5 battery-saving Mini LED backlit keyboard |
| Keyboard layout | QWERTY |
| Number of keys | <ul style="list-style-type: none"> • United States and Canada: 79 keys • United Kingdom: 80 keys • Japan: 83 keys |
| Keyboard size | X=19.05 mm (0.75 in.) key pitch Y=18.05 mm (0.71 in.) key pitch |
| Keyboard shortcuts | 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) changing Function Key Behavior in BIOS setup program. |

Camera

The following table lists the camera specifications of your Latitude 7440.

Table 13. Camera specifications

| Description | Option one | Option two | Option three |
|-----------------------------|--|---|--|
| Number of cameras | There is one camera option: <ul style="list-style-type: none"> • FHD RGB Camera | There is one camera option: <ul style="list-style-type: none"> • FHD RGB + IR Camera | There is one camera option: <ul style="list-style-type: none"> • 5M RGB + IR Camera |
| Camera type | 3.8 mm, 1080p at 30 fps, FHD RGB Webcam | 3.8 mm, 1080p at 30 fps, FHD RGB+IR Webcam with ALS | 4.4 mm, 1080p at 30 fps, 5M RGB+IR Webcam with ALS |
| Camera location | Front camera | Front camera | Front camera |
| Camera sensor type | CMOS sensor technology | CMOS sensor technology | CMOS sensor technology |
| Camera resolution: | | | |
| Still image | 1920 x 1080 (FHD) | 1920 x 1080 (FHD) | 2560 x 1920 (5M) |
| Video | 1920 x 1080 (FHD) at 30 fps | 1920 x 1080 (FHD) at 30 fps | 2560 x 1920 (5M) at 30 fps |
| Infrared camera resolution: | | | |
| Still image | Not supported | 640 x 360 | 640 x 480 |

Table 13. Camera specifications (continued)

| Description | | Option one | Option two | Option three |
|-------------------------|-----------------|---------------|---------------------|---------------------|
| | Video | Not supported | 640 x 360 at 15 fps | 640 x 480 at 15 fps |
| Diagonal viewing angle: | | | | |
| | Camera | 82 degrees | 80 degrees | 92 degrees |
| | Infrared camera | Not supported | 86.6 degrees | 77.3 degrees |

Clickpad

The following table lists the clickpad specifications of your Latitude 7440.

Table 14. Clickpad specifications

| Description | Values |
|----------------------|--|
| Clickpad resolution: | |
| | Horizontal |
| | Vertical |
| Clickpad dimensions: | |
| | Horizontal |
| | Vertical |
| Clickpad gestures | For more information about clickpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com . |


Power adapter

The following table lists the power adapter specifications of your Latitude 7440.

Table 15. Power adapter specifications

| Description | Option one | Option two | Option three |
|-----------------------------|--|---|--|
| Type | 60 W AC adapter, USB-C | 65 W AC adapter, USB-C | 100 W AC adapter, USB-C |
| Power-adapter dimensions: | | | |
| | Height | 22.00 mm (0.866 in.) | 28.00 mm (1.10 in.) |
| | Width | 66.00 mm (2.598 in.) | 51.00 mm (2.01 in.) |
| | Depth | 55.00 mm (2.165 in.) | 112.00 mm (4.41 in.) |
| Weight | 0.105 kg (0.231 lbs) | 0.201 kg (0.443 lbs) | 0.33 kg (0.731 lbs) |
| Input voltage | 100 VAC – 240 VAC | 100 VAC – 240 VAC | 100 VAC – 240 VAC |
| Input frequency | 50 Hz – 60 Hz | 50 Hz – 60 Hz | 50 Hz – 60 Hz |
| Input current (maximum) | 1.70 A | 1.70 A | 1.70 A |
| Output current (continuous) | <ul style="list-style-type: none"> • 20 V/3 A • 15 V/3 A • 9 V/3 A • 5 V/3 A | <ul style="list-style-type: none"> • 20 V/3.25 A • 15 V/3 A • 9 V/3 A • 5 V/3 A | <ul style="list-style-type: none"> • 20 V/5 A • 15 V/3 A • 9 V/3 A • 5 V/3 A |

Table 15. Power adapter specifications (continued)

| Description | | Option one | Option two | Option three |
|--|-----------|---|---|---|
| Rated output voltage | | <ul style="list-style-type: none"> • 20 VDC • 15VDC • 9 VDC • 5 VDC | <ul style="list-style-type: none"> • 20 VDC • 15VDC • 9 VDC • 5 VDC | <ul style="list-style-type: none"> • 20 VDC • 15VDC • 9 VDC • 5 VDC |
| Temperature range: | | | | |
| | Operating | 0°C to 40°C (32°F to 104°F) | 0°C to 40°C (32°F to 104°F) | 0°C to 40°C (32°F to 104°F) |
| | Storage | -20°C to 70°C (-4°F to 158°F) | -40°C to 70°C (-40°F to 158°F) | -40°C to 70°C (-40°F to 158°F) |
|  CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components. | | | | |

Battery

The following table lists the battery specifications of your Latitude 7440.

Table 16. Battery specifications

| Description | | Option one | Option two | Option three | Option four |
|--------------------------|-----------|---|---|---|---|
| Battery type | | 2-cell, 38 Wh, lithium ion, ExpressCharge™ | 3-cell, 57 Wh, lithium ion, ExpressCharge™ | 2-cell, 38 Wh, lithium ion, Long Lifecycle, ExpressCharge™ | 3-cell, 57 Wh, lithium ion, Long Lifecycle, ExpressCharge™ |
| Battery voltage | | 7.60 VDC | 11.40 VDC | 7.60 VDC | 11.40 VDC |
| Battery weight (maximum) | | 0.156 Kg (0.34 lb) | 0.227 kg (0.50 lb) | 0.156 Kg (0.34 lb) | 0.227 kg (0.50 lb) |
| Battery dimensions: | | | | | |
| | Height | 6.30 mm (0.24 in.) | 6.30 mm (0.24 in.) | 6.30 mm (0.24 in.) | 6.30 mm (0.24 in.) |
| | Width | 210.97 mm (8.30 in.) | 254.8 mm (10.03 in.) | 210.97 mm (8.30 in.) | 254.8 mm (10.03 in.) |
| | Depth | 79.80 mm (3.10 in.) | 79.8 mm (3.10 in.) | 79.80 mm (3.10 in.) | 79.8 mm (3.10 in.) |
| Temperature range: | | | | | |
| | Operating | <ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> • Charge: 0°C to 45°C (32°F to 113°F) • Discharge: 0°C to 70°C (32°F to 158°F) |
| | Storage | -20°C to 65°C (-4°F to 149°F) | -20°C to 65°C (-4°F to 149°F) | -20°C to 65°C (4°F to 149°F) | -20°C to 65°C (4°F to 149°F) |
| Battery operating time | | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |

Table 16. Battery specifications (continued)

| Description | Option one | Option two | Option three | Option four |
|--|--|--|---|---|
| Battery charging time (approximate) ⓘ NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at www.dell.com/support . | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours |
| Coin-cell battery | Supported | Supported | Supported | Supported |
| <p>⚠ CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</p> <p>⚠ CAUTION: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.</p> | | | | |

Display

The following table lists the display specifications of your Latitude 7440.

Table 17. Display specifications

| Description | Option one | Option two | Option three | Option four | Option five |
|--------------------------|----------------------------|----------------------------|---|----------------------------|-----------------------------------|
| Display type | Full High Definition (FHD) | Full High Definition (FHD) | Full High Definition (FHD) light weight | Quad High Definition (QHD) | Full High Definition (FHD) 2-in-1 |
| Display-panel technology | Wide Viewing Angle (WVA) | Wide Viewing Angle (WVA) | Wide Viewing Angle (WVA) | Wide Viewing Angle (WVA) | Wide-viewing angle (WVA) |

Table 17. Display specifications (continued)

| Description | | Option one | Option two | Option three | Option four | Option five |
|---|----------|--|--|--|--|---------------------------------|
| Display-panel dimensions (active area): | | | | | | |
| | Height | 301.59 mm (11.87 in.) | 301.59 mm (11.87 in.) | 301.59 mm (11.87 in.) | 301.59 mm (11.87 in.) | 301.59 mm (11.87 in.) |
| | Width | 188.50 mm (7.42 in.) | 188.50 mm (7.42 in.) | 188.50 mm (7.42 in.) | 188.50 mm (7.42 in.) | 188.50 mm (7.42 in.) |
| | Diagonal | 355.65 mm (14.00 in.) | 355.65 mm (14.00 in.) | 355.65 mm (14.00 in.) | 355.65 mm (14.00 in.) | 355.65 mm (14.00 in.) |
| Display-panel native resolution | | 1920 x 1200 | 1920 x 1200 | 1920 x 1200 | 2560 x 1600 | 1920 x 1200 |
| Luminance (typical) | | 250 nits | 300 nits | 400 nits | 400 nits | 300 nits |
| Megapixels | | 2.30 | 2.30 | 2.30 | 4.06 | 2.3 |
| Color gamut | | 45% NTSC | 72% NTSC | 100% sRGB | 100% sRGB | 100% sRGB |
| Pixels Per Inch (PPI) | | 162 ppi | 162 ppi | 162 ppi | 216 ppi | 161 ppi |
| Contrast ratio (typ) | | 600:1 | 600:01 | 1000:01 | 1000:1 | 1200 |
| Response time (min) | | 35 ms | 35 ms | 35 ms | 35 ms | 35 ms |
| Refresh rate | | 60 Hz | 60 Hz | 60 Hz | 60 Hz | 60 Hz |
| Horizontal view angle | | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | +/- 88 degrees (min) |
| Vertical view angle | | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | <ul style="list-style-type: none"> 85 degrees (typical) 80 degrees (min) | +/- 88 degrees (min) |
| Pixel pitch | | 0.157 mm | 0.157 mm | 0.157 mm | 0.1178 mm | 0.157 mm |
| Power consumption (maximum) | | 3.20 W | 4.40 W | 2.75 W | 3.75 W | 2.9 W |
| Anti-glare vs glossy finish | | Anti-glare | Anti-glare | Anti-glare | Anti-glare | Anti-reflection and anti-smudge |
| Touch options | | No | Yes | No | Yes | Yes |
| Color | | 16.2 M | 16.2 M | 16.7 M | 16.7 M | 16.2 M |
| Panel Type | | 6 bit+FRC | 6 bit+FRC | True 8 bit | True 8 bit | 6 bit+FRC |

Fingerprint reader (Optional)

The following table lists the fingerprint-reader specifications of your Latitude 7440.

NOTE: The fingerprint reader is located on the power button.

Table 18. Fingerprint reader specifications

| Description | Option One | Option two |
|--------------------------------------|---|--|
| Fingerprint-reader sensor technology | Capacitive | Capacitive |
| Fingerprint-reader sensor resolution | 500 dpi | 508 dpi |
| Fingerprint-reader sensor pixel size | <ul style="list-style-type: none"> • X: 108 • Y: 88 | <ul style="list-style-type: none"> • X: 96 • Y: 96 |

Sensor

The following table lists the sensor of your Latitude 7440.

Table 19. Sensor

| Sensor support |
|---|
| Accelerometer (ST Micro LIS2DW12TR): On the base (system board) for both laptop and 2-in-1 systems |
| Accelerometer + Gyro (ST Micro LSM6DSOUSTR): On the hinge-up sensor board for 2-in-1 system |
| Accelerometer (ST Micro LIS2DW12TR): On the hinge-up mid-board in upsell configuration of laptop MIPI RGB+IR camera |
| Ambient Light Sensor (optional) |
| E-compass (ST Micro LIS2MDLTR), only for 2-in-1 system |
| Proximity for SAR compliance (for the WWAN module) Near Field Proximity Sensor |
| Hall Effect Sensor |

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 7440.

Table 20. GPU—Integrated

| Controller | Memory size | Processor |
|------------------------------------|----------------------|--|
| Intel Iris X ^e Graphics | Shared system memory | 13 th Generation Intel Core i5/i7 |

Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 7440.

Table 21. Multiple display support matrix

| Graphics Card | Direct Graphics Controller Direct Output Mode | Supported external displays with computer internal display on | Supported external displays with computer internal display off |
|------------------------------------|---|---|--|
| Intel Iris X ^e Graphics | Not applicable | 3 | 4 |

Hardware security

The following table lists the hardware security of your Latitude 7440.

Table 22. Hardware security

| Hardware security |
|--|
| Trusted Platform Module (TPM) 2.0 discrete |
| FIPS 140-2 certification for TPM |
| Trusted Computing Group (TCG) Certification for TPM |
| Contacted smart card and Control vault 3 |
| Contactless smart card, NFC, and Control vault 3 |
| SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL |
| Fingerprint reader in power button tied to Control vault 3 |
| One wedge-shaped lock slot |
| SED (Opal 2.0 only - PCIe Interface) |
| Windows Hello - Fingerprint Reader (optional) |
| Mechanical privacy shutter for camera (only for metal laptops) |

Smart-card reader

Contactless smart-card reader

This section lists the contactless smart-card reader specifications of your Latitude 7440.

Table 23. Contactless smart-card reader specifications

| Title | Description | Dell ControlVault 3 contactless smart-card reader with NFC |
|-------------------------------|--|--|
| Felica Card Support | Reader and software capable of supporting Felica contactless cards | Yes |
| ISO 14443 Type A Card Support | Reader and software capable of supporting ISO 14443 Type A contactless cards | Yes |
| ISO 14443 Type B Card Support | Reader and software capable of supporting ISO 14443 Type B contactless cards | Yes |

Table 23. Contactless smart-card reader specifications (continued)

| Title | Description | Dell ControlVault 3 contactless smart-card reader with NFC |
|----------------------------|--|---|
| ISO/IEC 21481 | Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens | Yes |
| ISO/IEC 18092 | Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens | Yes |
| ISO 15693 Card Support | Reader and software capable of supporting ISO15693 contactless cards | Yes |
| NFC Tag Support | Supports reading and processing of NFC compliant tag information | Yes |
| NFC Reader Mode | Support for NFC Forum Defined Reader mode | Yes |
| NFC Writer Mode | Support for NFC Forum Defined Writer mode | Yes |
| NFC Peer-to-Peer Mode | Support for NFC Forum Defined Peer to Peer mode | Yes |
| EMVCo Compliant | Compliant with EMVCO smart card standards as posted to www.emvco.com | Yes |
| EMVCo Certified | Formally certified based on EMVCO smart card standards | Yes |
| NFC Proximity OS Interface | Enumerates NFP (Near Field Proximity) device for OS to utilize | Yes |
| PC/SC OS interface | Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments | Yes |
| CCID driver compliance | Common driver support for Integrated Circuit Card Interface Device for OS level drivers | Yes |
| Windows Certified | Device certified by Microsoft WHCK | Yes |
| Dell ControlVault support | Device connects to Dell ControlVault for usage and processing | Yes |
| FIDO2 compliance | Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC | No |


 **NOTE:** 125 KHz proximity cards are not supported.

Table 24. Supported cards

| Manufacturer | Card |
|---------------------|-----------------------------------|
| HID | jCOP readertest3 A card (14443a) |
| | 1430 1L |
| | DESFire D8H |
| | iClass (Legacy) |
| | iClass SEOS |
| NXP/Mifare | Mifare DESFire 8K White PVC Cards |

Table 24. Supported cards (continued)

| Manufacturer | Card |
|--------------|---------------------------------------|
| | Mifare Classic 1K White PVC Cards |
| | NXP Mifare Classic S50 ISO Card |
| G&D | idOnDemand - SCE3.2 144K |
| | SCE6.0 FIPS 80K Dual+ 1 K Mifare |
| | SCE6.0 nonFIPS 80K Dual+ 1 K Mifare |
| | SCE6.0 FIPS 144K Dual + 1K Mifare |
| | SCE6.0 nonFIPS 144K Dual + 1 K Mifare |
| | SCE7.0 FIPS 144K |
| Oberthur | idOnDemand - OCS5.2 80K |
| | ID-One Cosmo 64 RSA D V5.4 T=0 card |

Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Latitude 7440.

Table 25. Contacted smart-card reader specifications

| Title | Description | Dell ControlVault 3 smart-card reader |
|----------------------------------|--|---------------------------------------|
| ISO 7816 -3 Class A Card Support | Reader capable of reading 5V powered smart mcard | Yes |
| ISO 7816 -3 Class B Card Support | Reader capable of reading 3V powered smart card | Yes |
| ISO 7816 -3 Class C Card support | Reader capable of reading 1.8V powered smart card | Yes |
| ISO 7816-1 Compliant | Specification for the reader | Yes |
| ISO 7816 -2 Compliant | Specification for smart card device physical characteristics (size, location of connection points, etc.) | N/A |
| T=0 support | Cards support character level transmission | Yes |
| T=1 support | Cards support block level transmission | Yes |
| EMVCo Compliant | Compliant with EMVCo (for electronic payment standards) smart card standards as posted to www.emvco.com | Yes |
| EMVCo Certified | Formally certified based on EMVCO smart card standards | Yes |
| PC/SC OS interface | Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments | Yes |
| CCID driver compliance | Common driver support for Integrated Circuit Card Interface Device for OS level drivers. | Yes |
| Windows Certified | Device certified by WHCK | Yes |

Table 25. Contacted smart-card reader specifications (continued)


| Title | Description | Dell ControlVault 3 smart-card reader |
|--|---|---------------------------------------|
| FIPS 201 (PIV/HSPD-12) Compliant via GSA | Device compliant with FIPS 201/PIV/HSPD-12 requirements | Yes |
| FIDO2 compliance | Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC | No |

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 7440.

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


Table 26. Computer environment

| Description | 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 range | -15.2 m to 3048 m (49.86 ft to 10000 ft) | -15.2 m to 10668 m (49.86 ft to 35000 ft) |
|  CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components. | | |

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

ComfortView Plus

 **WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.**

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

Keyboard shortcuts of Latitude 7440

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift + 2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn + Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn + F1**.

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

Table 27. List of keyboard shortcuts

| Function key | Primary behavior |
|--------------|---|
| F1 | Mute audio |
| F2 | Decrease volume |
| F3 | Increase volume |
| F4 | Play previous track/chapter |
| F5 | Play/Pause |
| F6 | Play next track/chapter. |
| F8 | Switch to external display |
| F9 | Search |
| F10 | Click keyboard backlight (optional). NOTE: Non-backlight keyboards have F10 function key without the backlight icon and do not support toggle keyboard backlight function. NOTE: Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight |
| F11 | Decrease brightness |
| F12 | Increase brightness |

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 28. Secondary behavior

| Function key | Secondary behavior |
|--------------|---|
| Fn + F1 | Operating system and application specific F1 behavior |
| Fn + F2 | Operating system and application specific F2 behavior |
| Fn + F3 | Operating system and application specific F3 behavior |
| Fn + F4 | Operating system and application specific F4 behavior |

Table 28. Secondary behavior (continued)



| Function key | Secondary behavior |
|---------------------|---|
| Fn + F5 | Operating system and application specific F5 behavior |
| Fn + F6 | Operating system and application specific F6 behavior |
| Fn + F8 | Operating system and application specific F8 behavior |
| Fn + F9 | Operating system and application specific F9 behavior |
| Fn + F10 | Operating system and application specific F10 behavior |
| Fn + F11 | Operating system and application specific F11 behavior |
| Fn + F12 | Operating system and application specific F12 behavior |
| Fn + PrtScr | Turn off/on wireless |
| Fn + B | Pause/Break |
| Fn + Insert | Sleep |
| Fn + S | Toggle scroll lock |
| Fn + H | Toggle between power and battery-status light/hard-drive activity light |
| Fn + R | System request |
| Fn + Ctrl | Open application menu |
| Fn + Esc | Toggle Fn-key lock |
| Fn + PgUp | Page up |
| Fn + PgDn | Page down |
| Fn + Home | Home |
| Fn + End | End |

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 29. 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 www.dell.com/support/linux |
| Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents. | 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 . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer . |
| 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.