

# **Dell Pro Max 14 Premium**

MA14250

Owner's Manual

## 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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# Views of Dell Pro Max 14 Premium MA14250

## Right



**Figure 1. Right view**

### 1. microSD card slot

Reads from and writes to the microSD card. The computer supports the following card types:

- micro-Secure Digital (microSD)
- micro-Secure Digital High Capacity (micro-SDHC)
- micro-Secure Digital Extended Capacity (micro-SDXC)

### 2. Two Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 ports

Connect devices such as external storage devices and printers.

Supports DisplayPort 2.1, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides a data transfer rate of up to 40 Gbps for Thunderbolt 4.

**i** **NOTE:** You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, search in the Knowledge Base Resource at [Dell Support Site](#).

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

**i** **NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

### 3. Global headset port

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

### 4. Security-cable slot (wedge-shaped)

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

# Left



**Figure 2. Left view**

## 1. Two Thunderbolt 5 (Up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports

Supports DisplayPort 2.1, Thunderbolt 5 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 120 Gbps with Bandwidth Boost.

**(i) NOTE:** The power adapter is to be connected to one of these Thunderbolt 5 ports.

**(i) NOTE:** You can connect a Dell Docking Station to the Thunderbolt 5 ports. For more information, search in the Knowledge Base Resource at [Dell Support Site](#).

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

**(i) NOTE:** Thunderbolt 5 is compatible with USB4, USB 3.2, USB 2.0, Thunderbolt 4 and Thunderbolt 3.

**(i) NOTE:** Thunderbolt 5 supports up to three 4K displays or two 8K displays.

## 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 — Computer is running on battery and the battery charge is low or critical.

Off — Power adapter is disconnected or the battery is fully charged.

**(i) NOTE:** On certain computer models, the power and battery-status light are also used for diagnostics. For more information, see the *Troubleshooting* section in this document.

# Top



**Figure 3.** Top view

## 1. Microphones

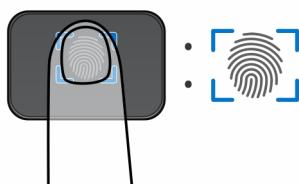
Provide digital sound input for audio recording, voice calls, and so on.

## 2. 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 ten seconds to force shut-down the computer.

For computers shipped with a fingerprint reader, place your finger on the power button to log in.



**Figure 4.** Active area of the fingerprint reader

**(i) | NOTE:** The highlighted area indicates the active fingerprint reader area, and the image is for illustration purposes only.

**(i) | NOTE:** You can customize power-button behavior in Windows. For more information, see [Manuals at Dell Support Site](#).

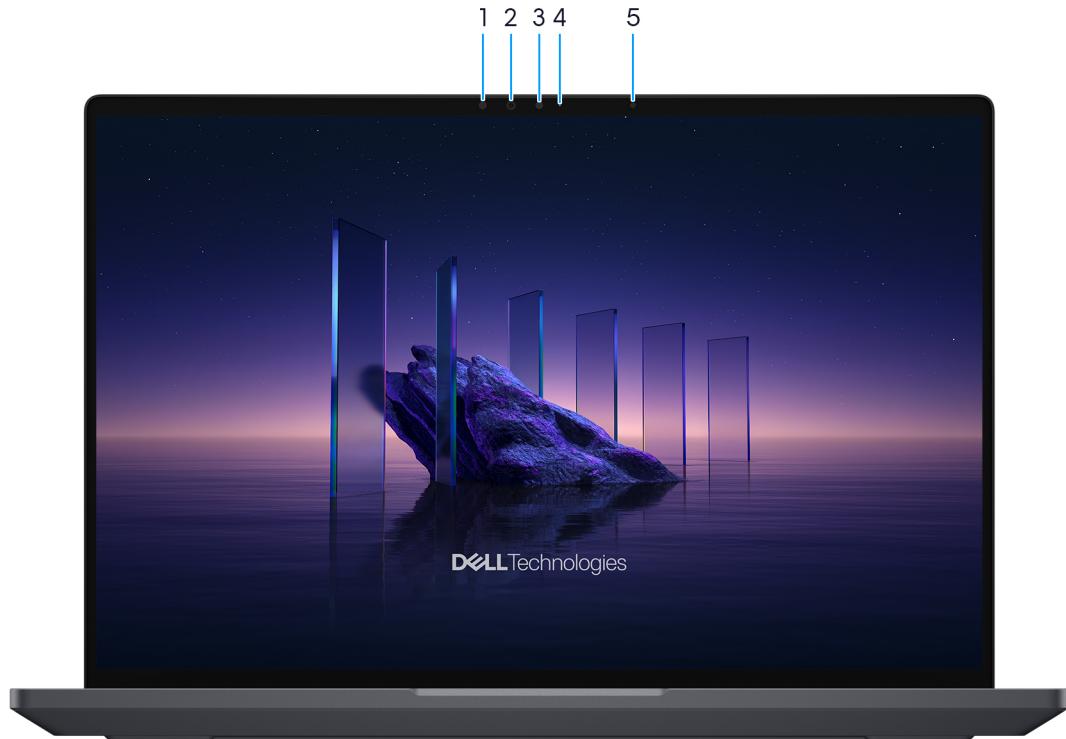
## 3. Speakers

Provides audio output.

#### 4. Haptic touchpad

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

## Front



**Figure 5. Front view**

#### 1. IR sensor

Provides digital sound input for audio recording and voice calls.

#### 2. Infrared LED

Emits infrared light, which enables the infrared camera to sense and track motion.

#### 3. Camera

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

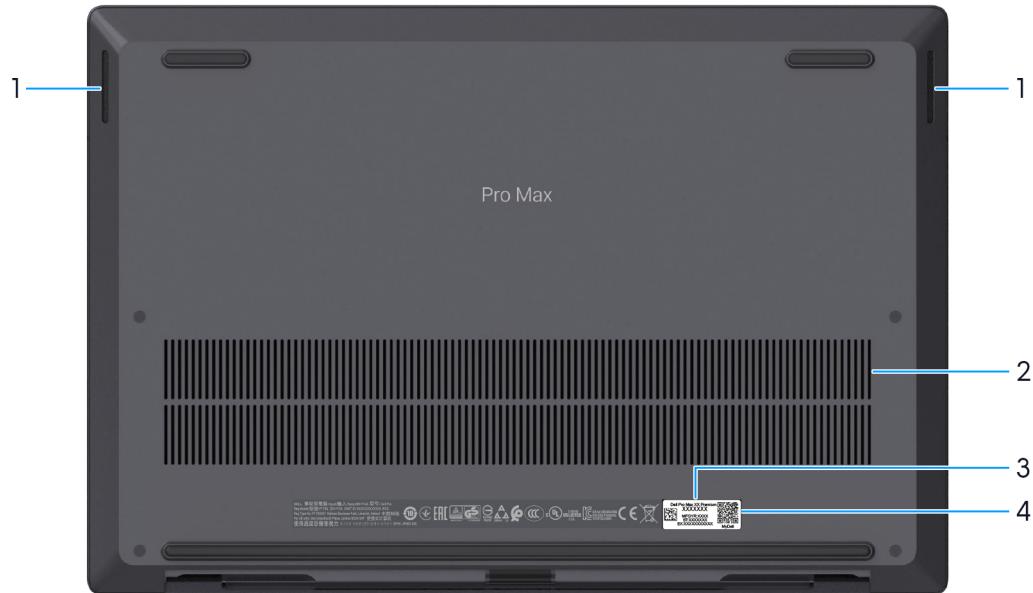
#### 4. Camera-status light

Turns on when the camera is in use.

#### 5. Ambient-light sensor

The sensor detects the ambient light and automatically adjusts the keyboard backlight and display brightness.

## Bottom



**Figure 6. Bottom view**

### 1. Speakers

Provide audio output.

### 2. Air vents

Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer's performance and potentially cause hardware issues. Keep the air vents clear of obstructions and clean them regularly to prevent the build-up of dust and dirt.

For more information, search in the Knowledge Base Resource at [Dell Support Site](#).

### 3. MyDell QR code

MyDell is your hub for content that is personalized for your Dell Pro Max 14 Premium MA14250, including videos, articles, manuals, and easy access to support.

### 4. Service Tag/Express Service Code 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. The Express Service Code is a numeric version of the Service Tag.

## Locate the Service Tag or Express Service Code label of your computer

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. The Express Service Code is a numeric version of the Service Tag.

For more information about how to find the Service Tag of your computer, search in the Knowledge Base Resource at the [Dell Support Site](#).



**Figure 7. Service Tag/Express Service Code location**

## Battery-status light

The following table lists the battery-status light of your Dell Pro Max 14 Premium MA14250.

**Table 1. Battery-status light behavior**

Power source	LED behavior	System power state	Battery charge level
AC adapter	Off	S0 or S5	100%
AC adapter	Solid white	S0 or S5	< 100%
Battery	Off	S0 or S5	11-100%
Battery	Solid amber	S0 or S5	< 10%

- S0 (ON): The computer is turned on.
- S3 (Sleep): Screen is off and computer is in sleep mode.
- S4 (Hibernate): The computer consumes the least power in the Hibernate state than in the ON or OFF state. The computer is almost in the OFF state. The context data is written to a storage device, allowing you to resume from where you left after the computer is turned on.
- S5 (OFF): The computer is in a shutdown state.

# Set up your Dell Pro Max 14 Premium MA14250

## About this task

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

## Steps

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

**i** **NOTE:** To conserve battery power, the battery might enter power-saving mode. Ensure that the power adapter is connected before turning on the computer.



**Figure 8. Connect the power adapter and press the power button**

2. Finish the 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 [Dell Support Site](#).

### For Windows:

Follow the on-screen instructions to complete the setup. When setting up, it is recommended that you:

- Connect to a network for Windows updates.

**i** **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 an existing Microsoft account or create an 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. This step is optional but recommended.

**Table 2. Locate Dell apps**

Resources	Description
 <b>Dell Optimizer</b>	<p>Dell Optimizer is an application that is designed to enhance computer performance and productivity by optimizing settings for power, battery, display, and presence detection. It also provides access to applications purchased with your new computer.</p> <p>For more information, see Dell Optimizer User's Guide at <a href="#">Dell Support Site</a>.</p>
	<p><b>Dell Product Registration</b></p> <p>Register your computer with Dell.</p>
	<p><b>Dell Help &amp; Support</b></p> <p>Access help and support for your computer.</p>
	<p><b>SupportAssist</b></p> <p>SupportAssist is a proactive and predictive technology that offers automated technical support for Dell computers. It proactively monitors both hardware and software, addressing performance issues, preventing security threats, and automating engagement with Dell Technical Support.</p> <p>For more information, see the SupportAssist documentation at <a href="#">Dell Support Site</a>.</p> <p><b>NOTE:</b> In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

# Specifications of Dell Pro Max 14 Premium MA14250

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell Pro Max 14 Premium MA14250.

**Table 3. Dimensions and weight**

Description	Values
Height:	
Front height	<ul style="list-style-type: none"> <li>For computers shipped with UHD+ OLED displays: 18.91 mm (0.74 in.)</li> <li>For computers shipped with FHD displays: 19.32 mm (0.76 in.)</li> </ul>
Rear height	<ul style="list-style-type: none"> <li>For computers shipped with UHD+ OLED displays: 18.91 mm (0.74 in.)</li> <li>For computers shipped with FHD displays: 19.32 mm (0.76 in.)</li> </ul>
Peak height	<ul style="list-style-type: none"> <li>For computers shipped with UHD+ OLED displays: 19.72 mm (0.78 in.)</li> <li>For computers shipped with FHD displays: 20.12 mm (0.79 in.)</li> </ul>
Width	310.60 mm (12.23 in.)
Depth	212.46 mm (8.36 in.)
Weight <b>(1) NOTE:</b> The weight of your computer depends on the configuration that you ordered.	Minimum: 1.61 kg (3.55 lb)

## Processor

The following table lists the details of the processors that are supported in your Dell Pro Max 14 Premium MA14250.

**Table 4. Processor**

Description	Option one	Option two	Option three
Processor type	Intel Core Ultra 7 255H	Intel Core Ultra 7 265H vPro Enterprise	Intel Core Ultra 9 285H vPro Enterprise









**Table 11. Storage specifications (continued)**

Storage type	Interface type	Capacity
self-install the M.2 2230 SSD in the SSD slot.		

## Media-card reader

The following table provides the specification of media cards that are supported by your Dell Pro Max 14 Premium MA14250.

**Table 12. Media-card reader specifications**

Description	Values
Media-card slot type	One microSD card slot
Media-cards supported	<ul style="list-style-type: none"><li>micro-Secure Digital (SD)</li><li>micro-Secure Digital High Capacity (SDHC)</li><li>micro-Secure Digital Extended Capacity (SDXC)</li></ul>
<b>(i) NOTE:</b> The maximum capacity of the media-card reader varies depending on the standard of the media card that is inserted in your computer.	

## Keyboard

The following table lists the keyboard specifications of your Dell Pro Max 14 Premium MA14250.

**Table 13. Keyboard specifications**

Description	Values
Keyboard type	Zero-lattice, spill-resistant keyboard with battery-saving mini-LED backlit technology and standard AI hotkey
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"><li>United States and Canada: 79 keys</li><li>United Kingdom: 80 keys</li><li>Japan: 83 keys</li><li>Brazil: 81 keys</li></ul>
Key pitch	X=19.05 mm key pitch Y=18.05 mm 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. <ul style="list-style-type: none"><li>To type the alternate character, press Shift and the desired key.</li><li>To perform secondary functions, press Fn and the desired key.</li></ul> <p><b>(i) NOTE:</b> You can define the primary behavior of the function keys (F1–F12) by changing <b>Function Key Behavior</b> in the BIOS Setup program.</p> <p><b>(i) NOTE:</b> If Copilot in Windows is not available on your computer, pressing the Copilot key launches Windows</p>



**Table 15. Secondary behavior (continued)**

Function key	Secondary behavior
fn + F6	Operating system and application-specific F6 behavior
fn + F7	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 + Ctrl	Open the application menu
fn + Esc	Toggle between multimedia and function key behavior
fn + PgUp	Scroll up the document or page
fn + PgDn	Scroll down the document or page
fn + Home	Move to the beginning of the document
fn + End	Move to the end of the document
Copilot	<p>Launch Copilot in Windows</p> <p><b>NOTE:</b> If Copilot in Windows is not available on your computer, the Copilot key launches Recall. If both Recall and Copilot in Windows are not available on your computer, the Copilot key launches Windows Search. For more information about Copilot in Windows and Recall, search in the Knowledge Base Resource at the <a href="#">Dell Support Site</a>.</p>

## Camera

The following table lists the camera specifications of your Dell Pro Max 14 Premium MA14250.

**Table 16. Camera specifications**

Description	Values
Number of cameras	One
Camera type	8MP RGB and IR camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	8.29 megapixels
Video	2560 x 1440 at 30 fps
Infrared camera resolution:	
Video	640 x 400 at 30 fps
Diagonal viewing angle:	





# Battery

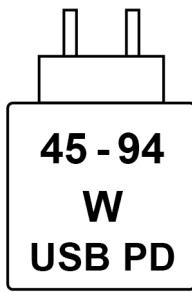
The following table lists the battery specifications of your Dell Pro Max 14 Premium MA14250.

**Table 20. Battery specifications**

Description	Option one	Option two
Battery type	4-cell, 72 Wh, ExpressCharge	4-cell, 72 Wh, ExpressCharge, Long Life Cycle
Battery voltage	15.6 VDC	15.6 VDC
Battery weight (maximum)	0.27 kg (0.60 lb)	0.27 kg (0.60 lb)
Battery dimensions:		
Height	7.64 mm (0.30 in.)	7.64 mm (0.30 in.)
Width	266.62 mm (10.45 in.)	266.62 mm (10.45 in.)
Depth	72.68 mm (2.86 in.)	72.68 mm (2.86 in.)
Temperature range:		
Operating	<ul style="list-style-type: none"> <li>Charge: 0°C to 50°C (32°F to 122°F)</li> <li>Discharge: 0°C to 60°C (32°F to 140°F)</li> </ul>	<ul style="list-style-type: none"> <li>Charge: 0°C to 50°C (32°F to 122°F)</li> <li>Discharge: 0°C to 60°C (32°F to 140°F)</li> </ul>
Storage	-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
Battery charging time (approximate)	<ul style="list-style-type: none"> <li>ExpressCharge Boost: From 0% to 35% in almost 20 minutes</li> <li>ExpressCharge: 2 hours</li> <li>Standard charge: 3 hours</li> </ul>	<ul style="list-style-type: none"> <li>ExpressCharge Boost: From 0% to 35% in almost 20 minutes</li> <li>ExpressCharge: 2 hours</li> <li>Standard charge: 3 hours</li> </ul>
Coin-cell battery	Not supported	Not supported
<b>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.</b>		
<b>CAUTION: Dell Technologies recommends that you charge the battery regularly for optimal power consumption.</b>		

# Power requirements

**NOTE:** The information in this section is applicable to the European Union (EU) countries.



**Figure 9. Pictogram for 72 Wh battery**

The power that is delivered by the charger must be between a minimum of 45 Watts that is required by the radio equipment, and a maximum of 94 Watts in order to achieve the maximum charging speed.

This computer supports USB Power Delivery (PD) fast charging.

## Display

The following table lists the display specifications of your Dell Pro Max 14 Premium MA14250.

**Table 21. Display specifications**

Description	Option one	Option two
Display type	14-inch, Full High Definition+ (FHD+)	14-inch, Quad High Definition (UHD+ OLED)
Touch options	Not supported	Supported
Display-panel technology	Wide-viewing angle (WVA)	Wide-viewing angle (WVA)
Display-panel dimensions (active area):		
Height	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)
Width	301.60 mm (11.87 in.)	301.60 mm (11.87 in.)
Diagonal	355.60 mm (14.00 in.)	355.60 mm (14.00 in.)
Display-panel native resolution	1920 x 1200	2880 x 1800
Luminance (typical)	400 nits	400 nits
Megapixels	2.30	5.18
Color gamut	100% sRGB	100% DCI-P3
Pixels Per Inch (PPI)	162 ppi	242 PPI
Contrast ratio (minimum)	<ul style="list-style-type: none"> <li>Minimum: 1000:1</li> <li>Typical: 1500:1 (typical)</li> </ul>	Typical: 1000000:1
Response time (maximum)	35 ms	2 ms
Refresh rate	30 Hz to 60 Hz	30 Hz to 60 Hz
Horizontal view angle	<ul style="list-style-type: none"> <li>Minimum: +/- 80 degrees</li> <li>Typical: +/- 85 degrees</li> </ul>	Minimum: +/- 88 degrees

**Table 21. Display specifications (continued)**

Description	Option one	Option two
Vertical view angle	<ul style="list-style-type: none"> <li>• Minimum: +/- 80 degrees</li> <li>• Typical: +/- 85 degrees</li> </ul>	Minimum: +/- 88 degrees
Pixel pitch	0.15708 mm	0.1047 mm
Power consumption (maximum)	2.5 W (at mosaic pattern, 60 Hz)	5.63 W (at mosaic pattern, 60 Hz)
Anti-glare vs glossy finish	Anti-glare	Anti-reflection

## Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Dell Pro Max 14 Premium MA14250.

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

**Table 22. Fingerprint reader specifications**

Description	Values
Sensor technology	Capacitive sensing
Sensor resolution	500 dpi
Sensor pixel size	108 x 88 pixels

## Sensors

The following table lists the sensors of your Dell Pro Max 14 Premium MA14250.

**Table 23. Sensor**

Sensor support
Ambient Light Sensor
Windows Auto Brightness
IR User Proximity Detection
Accelerometer
Adaptive Thermal Performance (laptop compared with desktop mode) requires Gyro/Accelerometer  <b>NOTE:</b> This is for thermal only.
Hall Effect Sensor
Sensor Hub (integrated)





- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Take an extended break for 20 minutes every two hours.
- 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.

## Dell Optimizer

Dell Optimizer is an AI-based software application that allows you to customize your computer settings for power and battery, and more.

For Dell Pro Max 14 Premium MA14250 with Dell Optimizer, you can:

- Extend the battery life of your computer with Intelligent Battery Extender and Dynamic Charge.
- Tune the performance, power consumption, cooling, and fan noise with selectable thermal modes.
- Access and secure your computer depending on your physical presence.
- Download and redeem the apps that are purchased with your computer.

For more information about configuring and using these features, search for *Dell Optimizer* at the [Dell Support Site](#).

# Working inside your computer

## Safety instructions

Use the following safety guidelines to protect your computer from potential damage and to ensure your personal safety. Unless otherwise noted, each procedure in this document assumes that you have read the safety information that shipped with your computer.

- ⚠️ WARNING:** Before working inside your computer, read the safety information that is shipped with your computer. For more safety best practices, see [Dell Regulatory Compliance Home Page](#).
- ⚠️ WARNING:** Disconnect your computer from all power sources before opening the computer cover or panels. After you finish working inside the computer, replace all covers, panels, and screws before connecting your computer to an electrical outlet.
- ⚠️ WARNING:** For laptops, discharge the battery completely before removing it. Disconnect the AC power adapter from the computer and operate the computer solely on battery power—the battery is fully discharged when the computer no longer turns on when the power button is pressed.
- ⚠️ CAUTION:** To avoid damaging the computer, ensure that the work surface is flat, dry, and clean.
- ⚠️ CAUTION:** You should only perform troubleshooting and repairs as authorized or directed by the Dell technical support team. Damage due to servicing that is not authorized by Dell is not covered by your warranty.
- ⚠️ CAUTION:** Before touching anything inside your computer, ground yourself by touching an unpainted metal surface, such as the metal at the back of the computer. While you work, periodically touch an unpainted metal surface to dissipate static electricity which could harm internal components.
- ⚠️ CAUTION:** To avoid damaging the components and cards, handle them by their edges, and avoid touching the pins and the contacts.
- ⚠️ CAUTION:** When you disconnect a cable, pull it by its connector or its pull tab, not the cable itself. Some cables have connectors with locking tabs or thumbscrews that you must disengage before disconnecting the cable. When disconnecting cables, keep them evenly aligned to avoid bending the connector pins. When connecting cables, ensure that the connector on the cable is correctly oriented and aligned with the port.
- ⚠️ CAUTION:** Press and eject any installed card from the media-card reader.

## Before working inside your computer

### About this task

- (i) NOTE:** The images in this document may differ from your computer depending on the configuration you ordered.

### Steps

1. Save and close all open files and exit all open applications.
2. Shut down your computer. For Windows operating system, click **Start > ⏪ Power > Shut down**.  
**(i) NOTE:** If you are using a different operating system, see the documentation of your operating system for instructions.
3. Turn off all the attached peripherals.
4. Disconnect your computer from the electrical outlet.





placed directly on the anti-static mat. ESD-sensitive items are safe in your hand, on the anti-static mat, in the computer, or inside an ESD bag.

- **Wrist Strap and Bonding Wire** – If an anti-static mat is not being used, the wrist strap and bonding wire should be connected directly between your wrist and an exposed metal part of the hardware. If you are using an anti-static mat, connect the wrist strap and bonding wire to the anti-static mat to ensure protection for any hardware placed on the mat. The physical connection of the wrist strap and bonding wire between your skin, the anti-static mat, and the hardware is known as bonding. Use only Field Service kits with a wrist strap, anti-static mat, and bonding wire. Never use wireless wrist straps. Always be cautious that the internal wires of a wrist strap are prone to damage from normal wear and tear, and must be checked regularly with a wrist strap tester in order to avoid accidental ESD hardware damage. It is recommended to test the wrist strap and bonding wire at least once per week.
- **ESD Wrist Strap Tester** – The wires inside an ESD strap are prone to damage over time. When using an unmonitored ESD kit, it is recommended to test the wrist strap regularly—ideally before each service session, and at a minimum, once per week. The most reliable method for testing is with a wrist strap tester. To perform the test, connect the bonding wire of the wrist strap to the tester while wearing the strap. Press the test button to initiate the check. A green LED indicates a successful test, while a red LED and audible alarm signal a failure.

 **NOTE:** It is recommended to always use the traditional wired ESD grounding wrist strap and protective anti-static mat when servicing Dell products. In addition, it is critical to keep sensitive parts separate from all insulator parts while servicing the computer.

## Transporting sensitive components

When transporting ESD sensitive components such as replacement parts or parts to be returned to Dell, it is critical to place these parts in anti-static bags for safe transport.

## After working inside your computer

### About this task

 **CAUTION:** Leaving stray or loose screws inside your computer may severely damage your computer.

### Steps

1. Replace all screws and ensure that no stray screws remain inside your computer.
2. Connect any external devices, peripherals, or cables you removed before working on your computer.
3. Replace any media cards, disks, or any other parts that you removed before working on your computer.
4. Connect your computer to their electrical outlets.
-  **NOTE:** To exit service mode, ensure to connect the AC adapter to the power-adapter port on your computer.
5. Press the power button to turn on the computer.

## BitLocker

When updating the BIOS on a computer with BitLocker enabled, consider the following precautions.

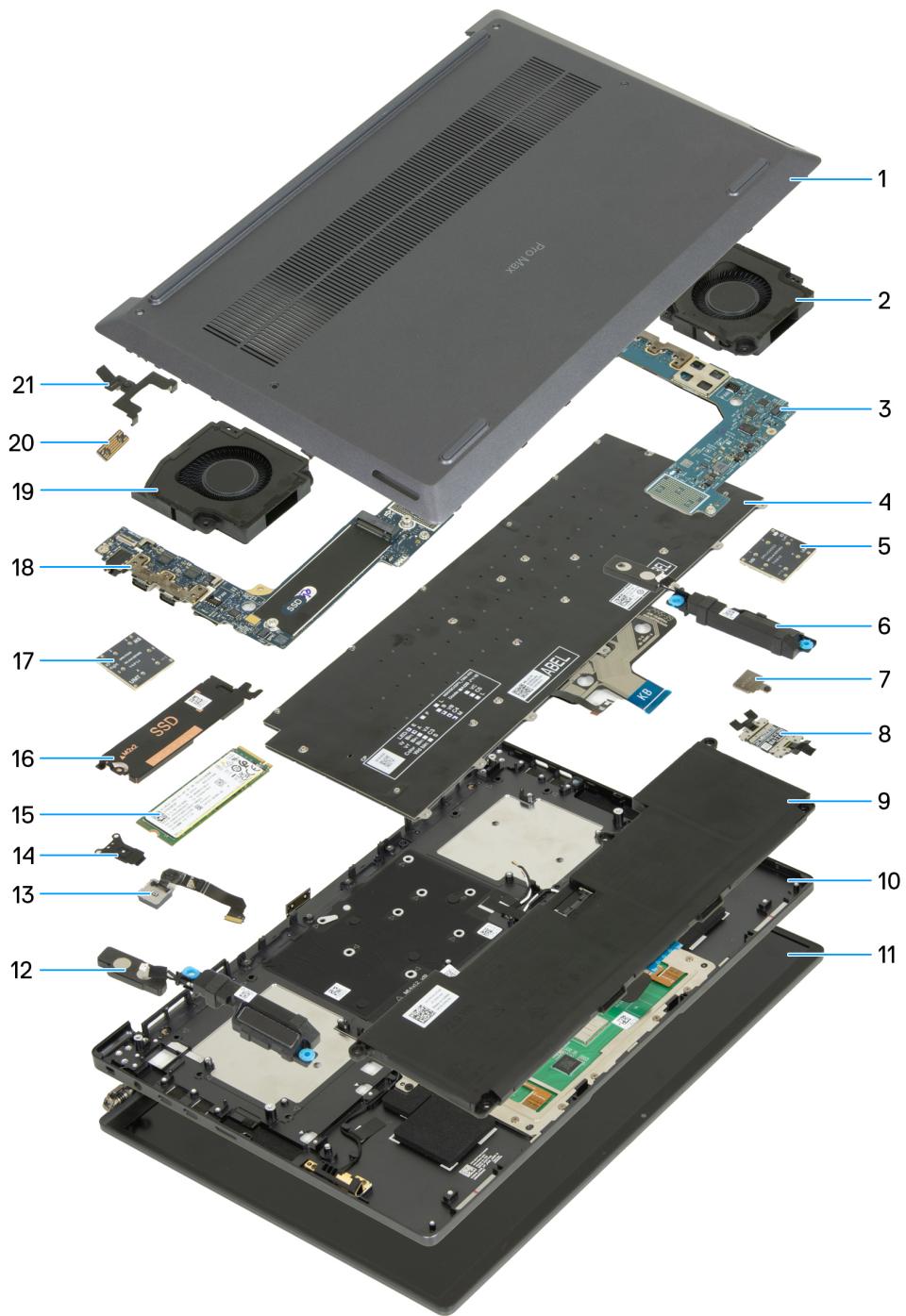
 **CAUTION:** If BitLocker is not suspended before updating the BIOS, the BitLocker key will not be recognized the next time that you reboot the computer. You are prompted to enter the recovery key to progress, and the computer displays a prompt for the recovery key on each reboot. If the recovery key is not known, this can result in data loss or an operating system reinstall. For more information, see Knowledge Article: [updating the BIOS on Dell computers with BitLocker enabled](#).

The installation of the following components triggers BitLocker:

- Hard disk drive or solid state drive
- System board







- 1. Base cover
- 2. Left fan
- 3. Left I/O-board
- 4. Keyboard
- 5. Left PC bridge connector board
- 6. Left speaker
- 7. Wireless-module bracket
- 8. Battery cable
- 9. Battery
- 10. Palm rest and touchpad assembly
- 11. Display assembly
- 12. Right speaker
- 13. Fingerprint reader
- 14. Fingerprint reader bracket
- 15. M.2 2280 solid state drive
- 16. M.2 2280 solid state drive thermal shield (SSD)
- 17. Right PC bridge connector board
- 18. Right I/O-board
- 19. Right fan
- 20. Display-assembly cable interposer board
- 21. Battttery-connector bracket

**(i) NOTE:** Dell provides a list of components and their part numbers for the original system configuration purchased. These parts are available according to warranty coverages purchased by the customer. Contact your Dell sales representative for purchase options.

## Customer Replaceable Units (CRUs) and Field Replaceable Units (FRUs) list

**Table 30. CRU and FRU list**

<b>Customer Replaceable Unit (CRU)</b>	<b>Field Replaceable Unit (FRU)</b>
Base cover	Wireless-module bracket
Battery-connector bracket	Heat sink
Battery	System board
Battery cable	PC bridge connector board
M.2 2230 SSD bracket	I/O board
M.2 2230 SSD	Power button
M.2 2280 SSD thermal shield	Display assembly
M.2 2280 SSD	Speaker
Fan	Keyboard
	Palm rest and touchpad assembly