

Dell Pro 14 Plus

PB14250/PB14250 2-in-1

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 14 Plus

Right



Figure 1. Right view

1. Nano-SIM card slot (optional)

Insert a SIM card to connect to a mobile broadband network.

i | NOTE: Availability of the SIM card slot depends on the region and configuration ordered.

2. Global headset jack

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

3. USB 3.2 Gen 1 port with PowerShare

Connect devices such as external storage devices and printers. It provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

i | NOTE: If your computer is turned off or in a hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.

4. Wedge-shaped lock slot

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

Left

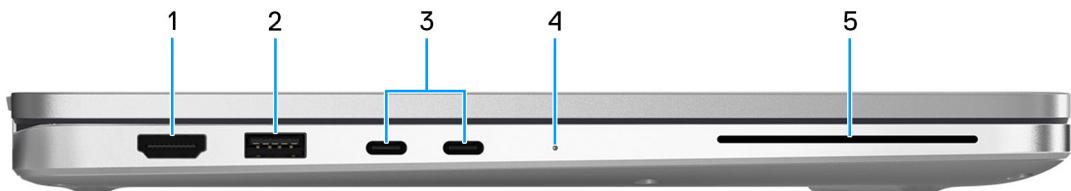


Figure 2. Left view

1. HDMI 2.1 TMDS

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

2. USB 3.2 Gen 1 port

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

3. Thunderbolt 4.0 with DisplayPort Alt Mode/USB Type-C/USB4/Power Delivery

Supports USB4, DisplayPort 2.1, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and 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:** USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

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

4. Battery-status light

Indicates the battery-charge status.

- White—Battery is charging.
- Solid yellow—Battery charge is low.
- Blinking yellow—Battery charge is critical.
- Off—Battery is fully charged.

5. Smart-card reader slot (optional)

Using smart card provides authentication in corporate networks.

Top



Figure 3. Top view

1. Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

(i) NOTE: 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.

(i) NOTE: The power-status light on the power button is available only on computers without the fingerprint reader. Computers that are shipped with the fingerprint reader that is integrated on the power button will not have the power-status light on the power button.

(i) NOTE: You can customize the power-button behavior in Windows.

2. Touchpad

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

Front

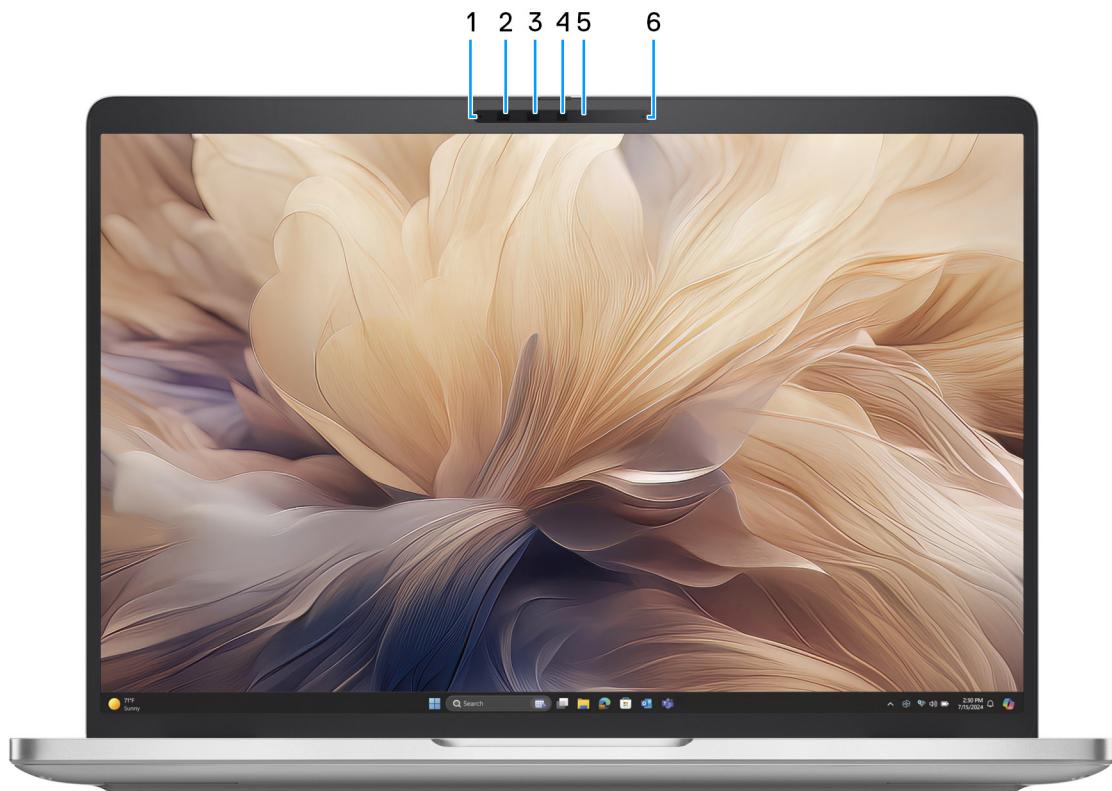


Figure 4. Front view

1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Infrared camera (optional)

Enhances security when paired with Windows Hello face authentication.

3. Infrared emitter (optional)

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

4. Camera

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

5. Camera-status light

Turns on when the camera is in use.

6. Right microphone

Provides digital sound input for audio recording and voice calls.

Bottom



Figure 5. Bottom View

1. Speakers

Provide 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.

Modes

The following modes are supported only on Dell Pro Plus 14 2-in-1 configuration.

Notebook



Figure 6. Notebook mode

Tablet



Figure 7. Tablet Mode

Stand



Figure 8. Stand mode

Tent



Figure 9. Tent mode

Battery-charge status light

The following table lists the battery-charge status light of your Dell Pro 14 Plus.

Table 1. Battery charge and status light behavior

Power source	LED behavior	System power state	Battery charge level
AC adapter	Off	S0 or S5	Fully charged
AC adapter	Solid white	S0 or S5	< Fully charged
Battery	Off	S0 or S5	11-100%
Battery	Solid amber (590+/-3 nm)	S0 or S5	< 10%

- S0 (ON): Computer is turned on.
- 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 when the computer is turned on.
- S5 (OFF): The computer is in a shutdown state.

Set up your Dell Pro 14 Plus

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:** The battery may go into power-saving mode during shipment to conserve charge on the battery. Ensure that the power adapter is connected to your computer when it is turned on for the first time.

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 a new 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 2. Locate Dell apps

Resources	Description
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.
	SupportAssist SupportAssist keeps your computer running at its best by optimizing settings, detecting issues, removing viruses. It also notifies when updates are available for your computer. SupportAssist proactively checks the health of your computer 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 the Windows operating system. For more information, see Support Assist documentation at Dell Support Site . i NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
	Dell Command Update Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the product guides and third-party license documents at Dell Support Site .

Specifications of Dell Pro 14 Plus

Dimensions and weight

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

Table 3. Dimensions and weight

Description	Clamshell 400 nits non-touch	Clamshell 300 nits non-touch and 300 nits touch	2-in-1 300 nits touch
Height:			
Front height	19.78 mm (0.78 in.)	19.5 mm (0.77 in)	19.92 mm (0.78 in)
Rear height	19.77 mm (0.78 in.)	19.98 mm (0.79 in)	20.17 mm (0.79 in)
Maximum height	19.95 mm (0.79 in)	21.2 mm (0.83 in)	20.25 mm (0.80 in)
Width	224 mm (8.82 in.)	224 mm (8.82 in.)	224 mm (8.82 in.)
Depth	313.50 mm (12.34 in.)	313.50 mm (12.34 in.)	313.50 mm (12.34 in.)
Weight ① NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.40 kg (3.09 lb)	1.53 kg (3.37 lb)	1.55 kg (3.43 lb)

Processor

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

Table 4. Processor

Description	Option one	Option two	Option three	Option four	Option five
Processor type	Intel Core Ultra 5 Processor 226V	Intel Core Ultra 5 Processor 236V	Intel Core Ultra 5 Processor 238V	Intel Core Ultra 7 Processor 266V	Intel Core Ultra 7 Processor 268V
Processor wattage	24 W				
Processor core count	8	8	8	8	8
Processor thread count	8	8	8	8	8
Processor speed	upto 4.50 GHz	upto 4.70 GHz	upto 4.70 GHz	upto 5 GHz	upto 5 GHz
Processor cache	8 MB	8 MB	8 MB	12 MB	12 MB
Integrated graphics	Intel Arc Graphics	Intel Arc Graphics	Intel Arc Graphics	Intel Arc Graphics	Intel Arc Graphics

Chipset

The following table lists the details of the chipset that is supported in your Dell Pro 14 Plus.

Table 5. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	Intel Core Ultra 5/7
DRAM bus width	64-bit
Flash EPROM	64 MB
PCIe bus	Up to Gen 5

Operating system

Your Dell Pro 14 Plus supports the following operating systems:

- Windows 11 Pro
- Windows 11 Home
- Ubuntu Linux 24.04

(i) NOTE: Windows 10 22H2 is only for custom-configured computers that are downgraded by end users from Windows 11. Support by Dell Technologies is subject to the Microsoft Windows 10 End of Support plan.

Memory

The following table lists the memory specifications of your Dell Pro 14 Plus.

Table 6. Memory specifications

Description	Values
Memory slots	Memory on Package (i) NOTE: The memory is integrated in the processor and is not upgradeable.
Memory type	LPDDR5x
Memory speed	8533 MT/s
Maximum memory configuration	32 GB
Minimum memory configuration	16 GB
Memory configurations supported	<ul style="list-style-type: none">• 16 GB: LPDDR5X, 8533 MT/s• 32 GB: LPDDR5X, 8533 MT/s

External ports and slots

The following table lists the external ports and slots of your Dell Pro 14 Plus.

Table 7. External ports and slots

Description	Values
Network port	Not applicable
USB ports	<ul style="list-style-type: none">Two Thunderbolt4 ports with DisplayPort Alt Mode/USB Type-C/USB4/Power Delivery <p>i NOTE: You can connect a Dell Docking Station to these ports. For more information, search in the Knowledge Base Resource at Dell Support site.</p> <ul style="list-style-type: none">One USB 3.2 Gen 1 port with PowerShareOne USB 3.2 Gen 1 port
Audio port	One Global headset jack
Video port(s)	One HDMI 2.1 TMDS
Media-card reader	One smart card reader slot (optional)
Power-adapter port	Supported through USB-C
Security-cable slot	One wedge-shaped security slot
SIM-card slot	Nano-SIM card slot (optional)

Internal slots

The following table lists the internal slots of your Dell Pro 14 Plus.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none">One M.2 2230 or M.2 2280 solid state drive slotOne M.2 3052 for WWAN slot (optional) <p>i NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at Dell Support Site.</p>

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your Dell Pro 14 Plus.

Table 9. Wireless module specifications

Description	Values
Model number	Intel Wi-Fi 7 BE201
Transfer rate	Up to 5760 Mbps

Table 9. Wireless module specifications (continued)

Description	Values
Frequency bands supported	2.40 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none"> WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac) Wi-Fi 6E (WiFi 802.11ax) Wi-Fi 7 (WiFi 802.11be)
Encryption	<ul style="list-style-type: none"> 64-bit/128-bit WEP AES-CCMP TKIP
Bluetooth wireless card	Bluetooth 5.4

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module that is supported in your Dell Pro 14 Plus.

(i) NOTE: The WWAN module is available only on certain configurations and in certain regions.

(i) NOTE: Availability of the eSIM feature on this module depends your region.

(i) NOTE: For instructions on how to setup SIM or eSIM connections on your computer, see the *SIM/eSIM Setup Guide for Windows* available with your product documentation at [Dell Support Site](#).

Table 10. WWAN module specifications

Description	Values
Model number	DW5934e Qualcomm Snapdragon X72 Global 5G Modem
Form factor	M.2 3052 Key-B
Host interface	PCIe Gen3
Network standard	NR FR1(Sub6) FDD/TDD, LTE FDD/TDD, WCDMA/HSPA+, GPS/GLONASS/Galileo/Beidou
Transfer data rate	<ul style="list-style-type: none"> 5G NR: DL 4.14Gbps/ UL 900Mbps LTE: DL 2.0Gbps (CAT20)/ UL 211Mbps (CAT18) UMTS: DL DC-HSPA+ Rel8:42 Mbps / UL 5.76 Mbps
Operating frequency bands	<ul style="list-style-type: none"> NR(n1, n2, n3, n5, n7, n8, n12, n13, n14, 18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n67, n70, n71, n75, n76, n77, n78, n79, n91, n92, n93, n94) LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B67, B68, B70, B71) WCDMA/HSPA+ (1, 2, 4, 5, 8)
Power supply	DC 3.135V to 3.63V, typical 3.3V
SIM card	Supported through external SIM slot

Table 10. WWAN module specifications (continued)

Description	Values
eSIM with dual SIM (DSSA)	Supported (The availability of eSIM functionality embedded on the module is dependent on the region and specific carrier requirements)
Antenna diversity	Supported
Radio on/off	Supported
Wake On Wireless	Supported
Temperature	<ul style="list-style-type: none"> Normal operating temperature: -30°C to +70°C Extended operating temperature: -40°C to +85°C Storage temperature: -40°C to +85°C
Antenna connector	<ul style="list-style-type: none"> WWAN Main Antenna X 1 WWAN Diversity Antenna X 1 4 x 4 MIMO Antenna x 2
<p>(i) NOTE: For instructions to find your computer's International Mobile Equipment Identity (IMEI) number, search in the Knowledge Base Resource at Dell Support Site.</p>	

Audio

The following table lists the audio specifications of your Dell Pro 14 Plus.

Table 11. Audio specifications

Description	Values
Audio controller	Cirrus CS42L43
Stereo conversion	Supported
Internal audio interface	Soundwire Interface
External audio interface	GHS (Global Headset)
Number of speakers	Two
Internal-speaker amplifier	Not supported
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	2 W
Peak	2.5 W
Microphone	Digital-array microphones in camera assembly

Storage

This section lists the storage options on your Dell Pro 14 Plus.

Your computer supports one of the following solid state drives

Table 12. Storage specifications

Storage type	Interface type	Capacity
M.2 2280 solid-state drive, self-encrypting, TLC	Gen 4 PCIe NVMe upto 64 Gbps	2 TB, 1 TB
M.2 2230 solid-state drive, TLC	Gen 4 PCIe NVMe upto 64 Gbps	1 TB, 512 GB, 256 GB
M.2 2230 solid-state drive, QLC	Gen 4 PCIe NVMe upto 64 Gbps	512 GB

Keyboard

The following table lists the keyboard specifications of your Dell Pro 14 Plus.

Table 13. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none"> Standard non-backlit keyboard Standard 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 French Canadian Quebec (ACNOR): 81 key
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	<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>i NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in the BIOS setup program.</p> <p>i NOTE: If Copilot in Windows is not available on your computer, pressing the Copilot key launches Windows search. For more information about Copilot in Windows, search in the Knowledge Base Resource at the Dell Support site.</p>

Keyboard shortcuts of Dell Pro 14 Plus

i NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are 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 that is 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 that is 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 multimedia control, as indicated by the icon on the key. Press the function key to enable the task represented by the icon. For example, pressing F1 mutes the audio (see the table below).

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

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

Table 14. Function key primary behavior

Function key	Primary behavior
F1	Mute or unmute audio
F2	Decrease volume
F3	Increase volume
F4	Mute or unmute microphone
F5	Change the brightness of backlit keyboard (for backlit keyboard only)
F6	Decrease display brightness
F7	Increase display brightness
F8	Switch to external display
F9	Not applicable
F10	Print screen
F11	Home
F12	End

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

Table 15. 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
Fn + F5	Operating system and application-specific F5 behavior
Fn + F6	Operating system and application-specific F6 behavior
Fn + F7	Operating system and application-specific F7 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 + Copilot	Operating system Context menu behavior.
Fn + Esc	Toggle Function key lock
Fn + PgUp (cursor up)	Scroll up the document or page
Fn + PgDn (cursor down)	Scroll down the document or page

Camera

The following table lists the camera specifications of your Dell Pro 14 Plus.

Table 16. Camera specifications

Description	Values
Number of cameras	One
Camera type	There are three camera options: <ul style="list-style-type: none">● RGB camera● RGB + IR camera● MIPI + IR camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	<ul style="list-style-type: none">● 2.07 megapixels● 5.2 megapixels
Video	<ul style="list-style-type: none">● 1920 x 1080 at 30 fps● 2560 x 1440 at 30 fps
Infrared camera resolution:	
Still image	0.23 megapixels
Video	640 x 360 at 15 fps
Diagonal viewing angle:	
Camera	<ul style="list-style-type: none">● 80.2 degrees● 91.2 degrees
Infrared camera	86.6 degrees

Touchpad

The following table lists the touchpad specifications of your Dell Pro 14 Plus.

Table 17. Touchpad specifications

Description	Values
Touchpad resolution:	>=300dpi
Touchpad dimensions:	
Horizontal	125 mm (4.92 in.)
Vertical	88 mm (3.46 in.)
Touchpad gestures	For more information about the touchpad gestures that are available on: <ul style="list-style-type: none">● Windows, see the Microsoft Knowledge Base article at Microsoft Support Site.● Ubuntu, see Ubuntu Support Site.

Fingerprint reader (optional)

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

Table 18. Fingerprint reader specifications

Description	Values
Sensor technology	Trans-capacitive sensing
Sensor resolution	500/363 dpi
Sensor pixel size	<ul style="list-style-type: none">• X: 108 / 76• Y: 88 / 100

Power adapter

The following table lists the power adapter specifications of your Dell Pro 14 Plus.

Table 19. Power-adapter specifications

Description	Option one	Option two	Option three
Type	60 W adapter, USB-C	65 W adapter, USB-C	100 W adapter, USB-C
Power-adapter dimensions:			
Height	22 mm (0.87 in.)	28 mm (1.1 in.)	26.5 mm (1.04 in.)
Width	55 mm (2.16 in.)	51 mm (2.01 in.)	60 mm (2.36 in.)
Depth	66 mm (2.60 in.)	112 mm (4.41 in.)	122 mm (4.80 in.)
Input voltage	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Input frequency	50 Hz to 60 Hz	50 to 60 Hz	50 to 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 (continuous)• 15 V/3 A (continuous)• 9.0 V/3 A (continuous)• 5.0 V/3 A (continuous)	<ul style="list-style-type: none">• 20V/3.25A (continuous)• 15V/3A (continuous)• 9.0V/3A (continuous)• 5.0V/3A (continuous)	<ul style="list-style-type: none">• 20 V/5 A (continuous)• 15 V/3 A (continuous)• 9.0 V/3 A (continuous)• 5.0 V/3 A (continuous)
Rated output voltage	20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/15 VDC/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 35°C (32°F to 95°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.			

Power adapter requirements (for computers that are shipped with 3-cell, 45 Wh battery)

This section contains the power adapter requirements for the Dell Pro 14 Plus.

(i) NOTE: If you did not purchase the Dell-branded power adapter that is recommended for your computer, ensure that the power adapter you use meets the following requirements:

Table 20. Power adapter requirements for Dell Pro 14 Plus

Description	Value
Power that is required from a power adapter to achieve optimal performance.	65 W
Power that is required to charge the computer at a slower speed. (i) NOTE: A warning message may appear informing you about the use of a lower-powered adapter and slower charging speed.	Less than 60 W
Minimum power that is required from a power adapter to operate the computer and charge the battery. (i) NOTE: A warning message appears informing you about the use of a lower-powered adapter and slower charging speed.	27 W
USB Power Delivery (PD) fast charging	Supported
ExpressCharge mode	(i) NOTE: Ensure that the computer with a 45Wh battery is connected to a 65 W power adapter for this feature to be supported. (i) NOTE: ExpressCharge mode must also be enabled in the BIOS Setup screen by selecting Power > Battery Configuration > ExpressCharge , then pressing Enter.

Power adapter requirements (for computers that are shipped with 3-cell, 55 Wh battery)

This section contains the power adapter requirements for the Dell Pro 14 Plus.

(i) NOTE: If you did not purchase the Dell-branded power adapter that is recommended for your computer, ensure that the power adapter you use meets the following requirements:

Table 21. Power adapter requirements for Dell Pro 14 Plus

Description	Value
Power that is required from a power adapter to achieve optimal performance.	100 W
Power that is required to charge the computer at a slower speed. (i) NOTE: A warning message may appear informing you about the use of a lower-powered adapter and slower charging speed.	Less than 60 W
Minimum power that is required from a power adapter to operate the computer and charge the battery.	27 W

Table 21. Power adapter requirements for Dell Pro 14 Plus (continued)

Description	Value
(i) NOTE: A warning message appears informing you about the use of a lower-powered adapter and slower charging speed.	
USB Power Delivery (PD) fast charging	Supported
ExpressCharge mode	<p>(i) NOTE: Ensure that the computer with a 55Wh battery is connected to a 100 W power adapter for this feature to be supported.</p> <p>(i) NOTE: ExpressCharge mode must also be enabled in the BIOS Setup screen by selecting Power > Battery Configuration > ExpressCharge, then pressing Enter.</p>

Battery

The following table lists the battery specifications of your Dell Pro 14 Plus.

Table 22. Battery specifications

Description	Option one	Option two	Option three	Option four
Battery type	3-cell, 45 Wh, ExpressCharge, ExpressCharge Boost	3-cell, 55 Wh, ExpressCharge, ExpressCharge Boost	3-cell, 45 Wh, Long Life Cycle, ExpressCharge	3-cell, 55 Wh, Long Life Cycle, ExpressCharge
Battery voltage	11.25 V	11.70 VDC	11.25 VDC	11.70 VDC
Battery weight (minimum)	0.20 Kg (0.44 lb)	0.22 kg (0.48 lb)	0.20 kg (0.44 lb)	0.22 kg (0.48 lb)
Battery dimensions:				
Height	72.80 mm (2.83 in.)			
Width	254.80 mm (10.03 in.)			
Depth	6.3 mm (0.25 in.)			
Temperature range:				
Operating	0°C to 45°C (32°F to 113°F)	0°C to 45°C (32°F to 113°F)	0°C to 60°C (32°F to 140°F)	0°C to 60°C (32°F to 140°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 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°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.
Battery charging time (approximate)				
(i) NOTE: Control the charging time, duration, start and end time, and so	Standard charge/ Predominately AC User Charge Method:			

Table 22. Battery specifications (continued)

Description	Option one	Option two	Option three	Option four
on using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at Dell Support Site .	<ul style="list-style-type: none"> • 0-15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 3 hours <p>Express Charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 60% RSOC is 1 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 2 hours <p>Express Charge Boost charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 35% RSOC is 20 min 	<ul style="list-style-type: none"> • 0-15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 3 hours <p>Express Charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 60% RSOC is 1 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 2 hours <p>Express Charge Boost charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 35% RSOC is 20 min 	<ul style="list-style-type: none"> • 0-15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 3 hours <p>Express Charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 60% RSOC is 1 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 2 hours 	<ul style="list-style-type: none"> • 0-15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 3 hours <p>Express Charge Method :</p> <ul style="list-style-type: none"> • 16-45°C maximum allowable charge time from 0 to 60% RSOC is 1 hours • 16-45°C maximum allowable charge time from 0 to 100% RSOC is 2 hours
Coin-cell battery	Not supported	Not supported	Not supported	Not supported

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.

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.

Power requirements (for computers shipped with 3-cell, 45 Wh battery)

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

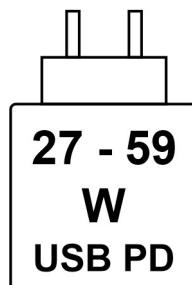


Figure 10. Pictogram for 45 Wh battery

The power that is delivered by the charger must be between a minimum of 27 Watts that is required by the radio equipment, and a maximum of 59 Watts in order to achieve the maximum charging speed.

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

Power requirements (for computers shipped with 3-cell, 55 Wh battery)

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

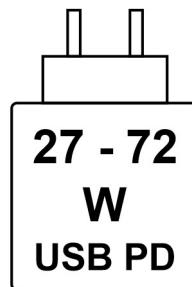


Figure 11. Pictogram for 55 Wh battery

The power that is delivered by the charger must be between a minimum of 27 Watts that is required by the radio equipment, and a maximum of 72 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 14 Plus.

Table 23. Display specifications

Description	Option one	Option two	Option three	Option four	Option five
Display type	14-inch Full High Definition (FHD+)	14-inch Full High Definition (FHD+)	14-inch (QHD+)	14-inch 2-in-1 Full High Definition (FHD+)	14-inch Full High Definition (FHD+)
Display-panel technology	IPS	IPS	IPS	IPS	IPS
Display-panel dimensions (active area):					
Height	188.5 mm (7.42 in.)	188.5 mm (7.42 in.)	188.5 mm (7.42 in.)	188.5 mm (7.42 in.)	188.5 mm (7.42 in.)
Width	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.)
Diagonal	355.6 mm (14 in.)	355.6 mm (14 in.)	355.6 mm (14 in.)	355.6 mm (14 in.)	355.6 mm (14 in.)
Display-panel native resolution	1920 x 1200	1920 x 1200	2560 x 1600	1920 x 1200	1920 x 1200
Luminance (typical)	300 nits	300 nits	300 nits	300 nits	400 nits
Megapixels	2.3	2.3	4.1	2.3	2.3

Table 23. Display specifications (continued)

Description	Option one	Option two	Option three	Option four	Option five
Color gamut	45% NTSC	100% sRGB	100% sRGB	100% sRGB	100% sRGB
Pixels Per Inch (PPI)	162 ppi	162 ppi	215.6 ppi	162	162
Contrast ratio (typical)	600:1	600:01	1000:1	1000:1	1000:1
Response time (maximum)	35 ms				
Refresh rate	60 Hz	60 Hz	90 Hz	60 Hz	60 Hz
Horizontal view angle	+/- 80 degrees(min)	+/- 80 degrees(min)	+/- 80 degrees(min)	+/- 88 degrees(min)	+/- 88 degrees(min)
Vertical view angle	+/- 80 degrees(min)	+/- 80 degrees(min)	+/- 80 degrees(min)	+/- 88 degrees(min)	+/- 88 degrees(min)
Pixel pitch	0.157 mm	0.157 mm	0.157 mm	0.157 mm	0.157
Power consumption (maximum)	3.68 W	4.4 W	4.4 W	3.1 W	2.5 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Anti-reflection	Anti-glare
Touch options	No	Yes	No	Yes	No

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell Pro 14 Plus.

Table 24. GPU—Integrated

Controller	Memory size	Processor
Intel Arc Graphics	Shared system memory	Intel Core Ultra 5/Ultra 7

Hardware security

The following table lists the hardware security of your Dell Pro 14 Plus.

Table 25. Hardware security

Hardware security
Noble Lock
Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
TCG Certification for TPM (Trusted Computing Group)
Touch fingerprint reader in the power button available with ControlVault 3+
Contacted Smart Card with ControlVault 3+
Contactless Smart Card and NFC with ControlVault 3+

Table 25. Hardware security (continued)

Hardware security
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
Chassis Intrusion Detection
BIOS - TPM clear and/or system boot lock after chassis intrusion detection

Operating and storage environment

This table lists the operating and storage specifications of your Dell Pro 14 Plus.

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 (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 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 the user environment.

† Measured using a 2 ms half-sine pulse.

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 14 Plus 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.
- ⚠ 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. See the safety instructions that are shipped with the product or at [Dell Regulatory Compliance Home Page](#).
- ⚠ 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.
- ⚠ CAUTION:** Exercise caution when handling rechargeable Li-ion batteries in laptops. Swollen batteries should not be used and should be replaced and disposed properly.

Before working inside your computer

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 outlets.
5. Disconnect all attached network devices and peripherals, such as keyboard, mouse, and monitor from your computer.
6. Remove any media card and optical drive from your computer, if applicable.
7. To clean the air vents, use a soft brush and move vertically.

(i) NOTE: Do not remove the base cover or use any blower to clean the vents.

8. Enter the Service Mode.

Service Mode

Service Mode is used to cut off power without disconnecting the battery cable from the system board before conducting repairs in the computer.

⚠ CAUTION: If you are unable to turn on the computer to put it into Service Mode, proceed to disconnect the battery cable. To disconnect the battery cable, follow the steps in [Removing the battery](#).

(i) NOTE: Ensure that your computer is shut down and the power adapter is disconnected.

- a. Press and hold the B key and the power button for 3 seconds or until the Dell logo appears on the screen.
- b. Press any key to continue.
- c. If the power adapter is not disconnected, a message prompting you to disconnect the power adapter appears on the screen. Disconnect the power adapter and then press any key to enter into the Service Mode. The Service Mode process automatically skips the following step if the **Owner Tag** of the computer is not set up in advance by the user.
- d. When the **ready-to-proceed** message appears on the screen, press any key to proceed. The computer emits three short beeps and shuts down immediately.

The computer shuts down and enters the Service Mode.

Service mode

Service Mode allows users to immediately cut off power from the computer and conduct repairs without disconnecting the battery cable from the system board:

1. Shut down the computer and disconnect the AC adapter.
2. Press and hold the **** key on the keyboard and then press the power button. The computer boots up.



Figure 12. Logo screen

3. When the Owner Tag information appears on the screen for models that are configured with owner tag, press any key to proceed.

(i) NOTE: The Service Mode procedure will automatically skip this step if the Owner Tag of the computer is not set up in advance by the manufacturer.

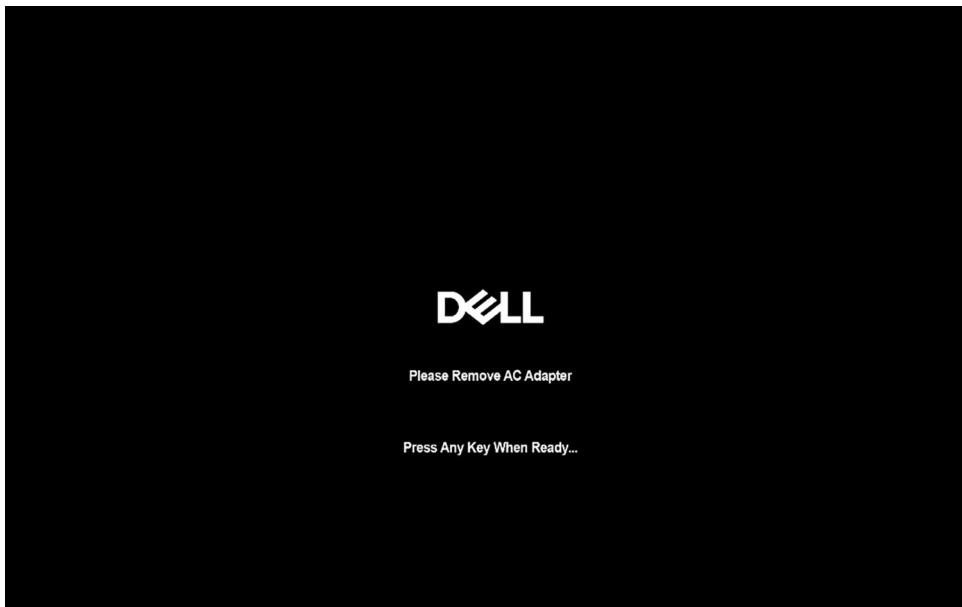


Figure 13. Booting screen

4. Ensure that the AC adapter has been disconnected and press any key to proceed.

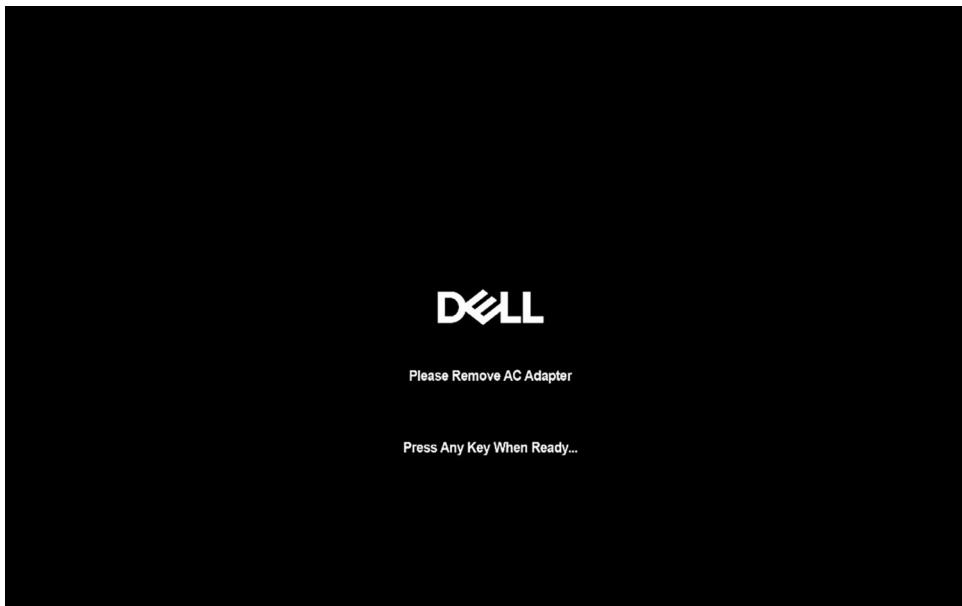


Figure 14. Booting screen

5. When the ready-to-proceed message appears on the screen, press any key to proceed. The computer emits three short beeps and shuts down immediately.

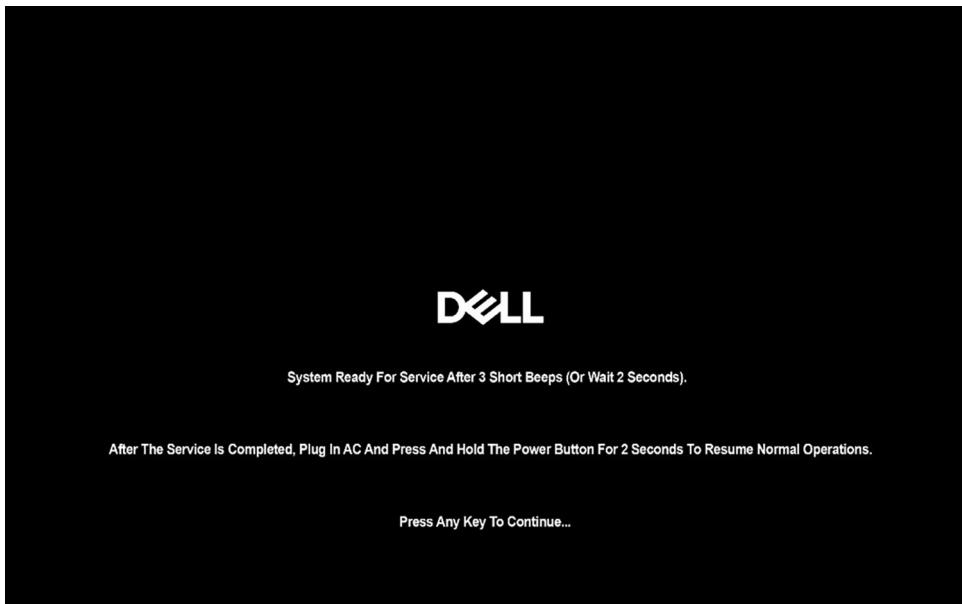


Figure 15. Booting screen

Once the computer shuts down, you can perform replacement procedures.

To exit **Service Mode**, connect the AC adapter and press the power button to power on the computer. The computer boots up and returns to normal functioning mode.

Safety precautions

This section details the primary steps to be followed before performing any disassembly instructions.

Observe the following safety precautions before you perform any installation or break-fix procedures involving disassembly or reassembly:

- Turn off the computer and all attached peripherals.
- Disconnect the computer from AC power.
- Disconnect all network cables and peripherals from the computer.
- Use an ESD field service kit when working inside any to avoid electrostatic discharge (ESD) damage.
- Place the removed component on an anti-static mat after removing it from the computer.
- Wear shoes with nonconductive rubber soles to reduce the chance of getting electrocuted.
- Unplugging, pressing, and holding the power button for 15 seconds should discharge residual power in the system board.

Standby power

Dell products with standby power must be unplugged before you open the back cover. Systems that are equipped with standby power are powered while turned off. The internal power enables the computer to be remotely turned on (Wake-on-LAN) and suspended into a sleep mode and has other advanced power management features.

Bonding

Bonding is a method for connecting two or more grounding conductors to the same electrical potential. This is done by using a field service electrostatic discharge (ESD) kit. When connecting a bonding wire, ensure that it is connected to bare metal and never to a painted or nonmetal surface. Ensure that the wrist strap is secure and in full contact with your skin. Remove all jewelry, watches, bracelets, or rings before grounding yourself and the equipment.

Electrostatic discharge—ESD protection

ESD is a major concern when you handle electronic components, especially sensitive components such as expansion cards, processors, memory modules, and system boards. A slight charge can damage circuits in ways that may not be obvious, such

as intermittent problems or a shortened product life span. As the industry pushes for lower power requirements and increased density, ESD protection is an increasing concern.

Two recognized types of ESD damage are catastrophic and intermittent failures.

- **Catastrophic** – Catastrophic failures represent approximately 20 percent of ESD-related failures. The damage causes an immediate and complete loss of device functionality. An example of catastrophic failure is a memory module that has received a static shock and immediately generates a "No POST/No Video" symptom with a beep code that is emitted for missing or nonfunctional memory.
- **Intermittent** – Intermittent failures represent approximately 80 percent of ESD-related failures. The high rate of intermittent failures means that most of the time when damage occurs, it is not immediately recognizable. The memory module receives a static shock, but the tracing is merely weakened and does not immediately produce outward symptoms that are related to the damage. The weakened trace may take weeks or months to melt, and in the meantime may cause degradation of memory integrity, intermittent memory errors, and so on.

Intermittent failures that are also called latent or "walking wounded" are difficult to detect and troubleshoot.

Perform the following steps to prevent ESD damage:

- Use a wired ESD wrist strap that is properly grounded. Wireless anti-static straps do not provide adequate protection. Touching the chassis before handling parts does not ensure adequate ESD protection on parts with increased sensitivity to ESD damage.
- Handle all static-sensitive components in a static-safe area. If possible, use anti-static floor pads and workbench pads.
- When unpacking a static-sensitive component from its shipping carton, do not remove the component from the anti-static packing material until you are ready to install the component. Before unwrapping the anti-static packaging, use the anti-static wrist strap to discharge the static electricity from your body. For more information about the wrist strap and ESD wrist strap tester, see [Components of an ESD Field Service Kit](#).
- Before transporting a static-sensitive component, place it in an anti-static container or packaging.

ESD Field Service kit

The unmonitored field service kit is the most commonly used service kit. Each Field Service kit includes three main components: anti-static mat, wrist strap, and bonding wire.

 **CAUTION:** It is critical to keep ESD-sensitive devices away from internal parts that are insulated and often highly charged, such as plastic heat sink casings.

Working Environment

Before deploying the ESD Field Service kit, assess the situation at the customer location. For example, deploying the kit for a server environment is different than for a desktop or laptop environment. Servers are typically installed in a rack within a data center; desktops or laptops are typically placed on office desks or cubicles. Always look for a large open flat work area that is free of clutter and large enough to deploy the ESD kit with additional space to accommodate the type of computer that is being repaired. The workspace should also be free of insulators that can cause an ESD event. On the work area, insulators such as styrofoam and other plastics should always be moved at least 12 inches or 30 centimeters away from sensitive parts before physically handling any hardware components.

ESD Packaging

All ESD-sensitive devices must be shipped and received in static-safe packaging. Metal, static-shielded bags are preferred. However, you should always return the damaged component using the same ESD bag and packaging that the new part arrived in. The ESD bag should be folded over and taped shut and all the same foam packing material should be used in the original box that the new part arrived in. ESD-sensitive devices should be removed from packaging only at an ESD-protected work surface, and parts should never be placed on top of the ESD bag because only the inside of the bag is shielded. Always place parts in your hand, on the anti-static mat, in the computer, or inside an ESD bag.

Components of an ESD Field Service kit

The components of an ESD Field Service kit are:

- **Anti-Static Mat** – The anti-static mat is dissipative and parts can be placed on it during service procedures. When using an anti-static mat, your wrist strap should be snug and the bonding wire should be connected to the anti-static mat and to any bare metal on the computer being worked on. Once deployed properly, service parts can be removed from the ESD bag and

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** – The wrist strap and bonding wire can be either directly connected between your wrist and bare metal on the hardware if the anti-static mat is not required, or connect to the anti-static mat to protect hardware that is temporarily 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 kit, it is a best practice to regularly test the strap prior to each service, and at a minimum, test once per week. A wrist strap tester is the best method for doing this test. To perform the test, plug the bonding-wire of the wrist-strap into the tester while it is strapped to your wrist and push the button to test. A green LED is lit if the test is successful; a red LED is lit and an alarm sounds if the test fails.

 **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

 **CAUTION:** If BitLocker is not suspended before updating the BIOS, the BitLocker key is not recognized the next time you reboot the computer. You will then be prompted to enter the recovery key to progress, and the system 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 systems with BitLocker enabled](#).

The installation of the following components triggers BitLocker:

- Hard disk drive or solid-state drive
- System board

Recommended tools

The procedures in this document may require the following tools:

- Phillips screwdriver #0
- Phillips screwdriver #1
- Flat head slotted screwdriver (<4mm)
- Plastic scribe

Screw list

- i** **NOTE:** When removing screws from a component, it is recommended to note the screw type and the quantity of screws, and then place them in a screw storage box. This is to ensure that the correct number of screws and correct screw type is restored when the component is replaced.
- i** **NOTE:** Some computers have magnetic surfaces. Ensure that the screws are not left attached to such surfaces when replacing a component.
- i** **NOTE:** Screw color may vary depending on the configuration ordered.

Table 27. Screw list

Component	Screw type	Quantity	Screw image
Base cover	Captive	8	
Battery	Captive	4	
WWAN shielding cover	M2x4	3	
Solid state drive shielding cover	M2x4	2	
Speakers	M1.6x1.5	6	
Fan	M2x4	2	
Heatsink	Captive	4	
Display cable bracket	M2x3	2	
Display assembly	M2.5x4	4	
	M2x3	1	
Display panel	M1.6x1.4	4	
Display hinge cap and hinge assembly	M2x3	2	
	M2.5x3.5	4	
MIPI camera	M1.6x1.4	2	

Table 27. Screw list (continued)

Component	Screw type	Quantity	Screw image
Power button	M1.6x1.7	2	
Smartcard reader	M2x2	4	
USH daughterboard	M1.6x1.5	2	
WLAN bracket	M2x3	1	
System board	M2x3	4	
	M2x4	• 3 • 2	<p> NOTE: Applicable for computers shipped with a WWAN card.</p> <p> NOTE: Applicable for computers shipped without a WWAN card.</p> 
I/O board	M2x3	5	
USB C connector module	M2x5	3	
Keyboard assembly	M1.6x1.7	20	

Major components of Dell Pro 14 Plus

The following image shows the major components of Dell Pro 14 Plus.

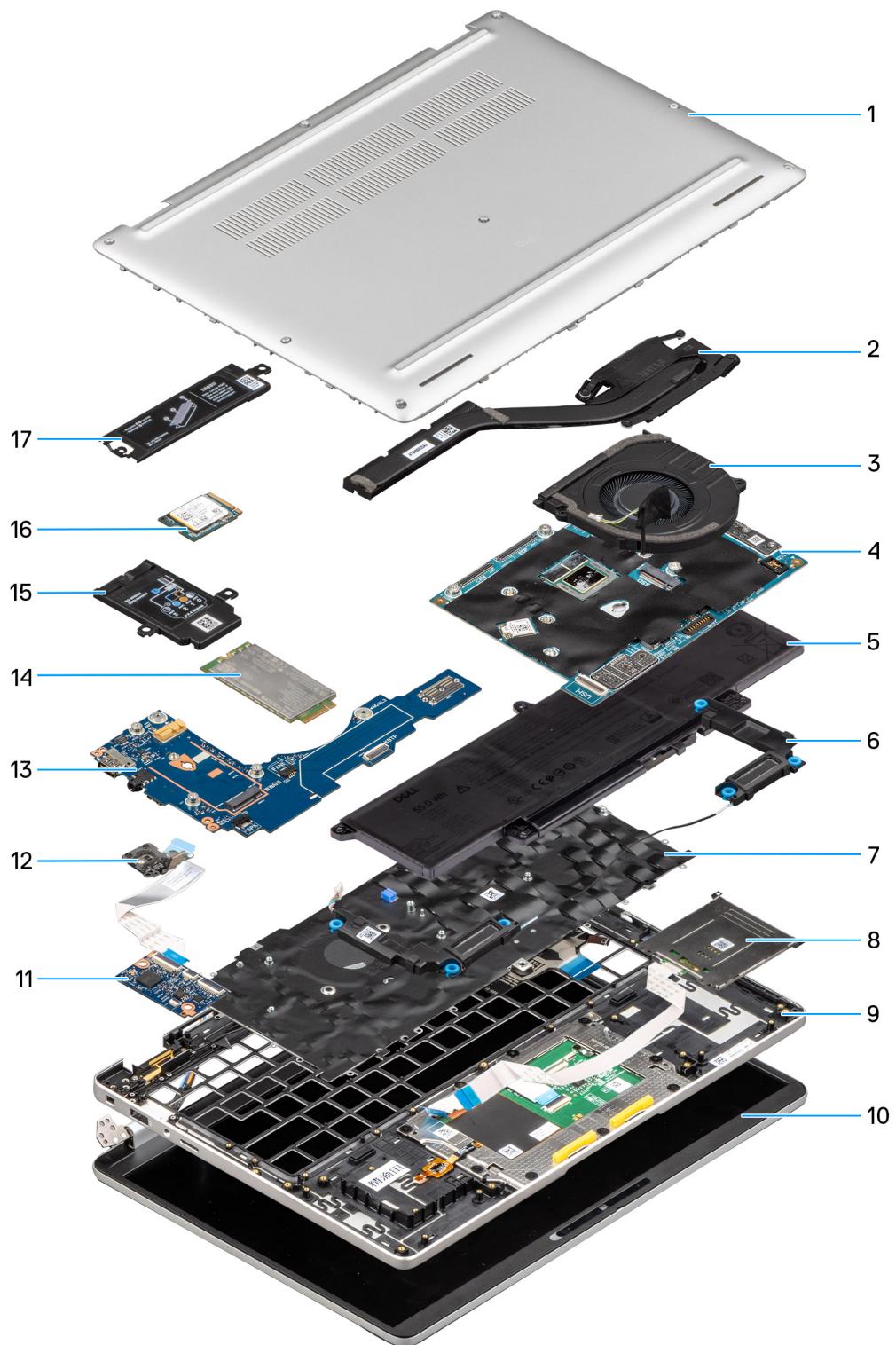


Figure 16. Explode view

1. Base cover
2. Heatsink
3. Fan
4. System board
5. Battery
6. Speakers
7. Keyboard assembly

8. Smart-card reader
9. Palmrest assembly
10. Display
11. USH board
12. Power button with optional fingerprint reader
13. I/O daughter board
14. WWAN card
15. WWAN-card shielding cover
16. Solid-state drive
17. Solid-state drive shielding cover

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