

Dell 14 Premium

DA14250

Setup and Specifications

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Views of Dell 14 Premium DA14250

Right



Figure 1. Right view

1. microSD-card slot v7.1

The microSD-card slot reads from and writes to the microSD card. The computer supports the following card types:

- microSecure Digital (microSD)
- microSecure Digital High Capacity (microSDHC)
- microSecure Digital Extended Capacity (microSDXC)

2. Thunderbolt 4.0 port with Power Delivery and DisplayPort

Supports USB4, DisplayPort 2.1 and Thunderbolt 4. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4.

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](#).

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

NOTE: Thunderbolt 4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

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

3. Headset port

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

Left



Figure 2. Left view

1. Thunderbolt 4.0 port with Power Delivery and DisplayPort

Supports USB4, DisplayPort 2.1 and Thunderbolt 4. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4.

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](#).

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

NOTE: Thunderbolt 4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

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

Top



Figure 3. Top view

1. Capacitive touch function row

The top row of the keyboard is a capacitive touch panel. Pressing the **fn** key toggles between the standard function keys (**F1-F12**) and keys for media control.

NOTE: Media control keys include muting or unmuting audio, adjusting the display or keyboard backlight brightness and more. For more information about the media keys available on the capacitive touch function row, see [Keyboard shortcuts](#).

2. Power button with fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in a hibernating state. Place your finger on the power button steadily to log in.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10s to force shut-down the computer.

3. Tweeter speakers (Top-firing)

Provide audio output, optimized for higher-frequency sounds.

4. Haptic touchpad

Move your finger on the touchpad to move the mouse pointer. For more information about the active areas of the touchpad, see [Active areas of the touchpad controls](#).

5. Service LED

The service LED is used for troubleshooting with a Dell service representative. The LED emits amber or white light.

6. Microphones (2)

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

Active areas of the touchpad



Figure 4. Active areas of the touchpad

1. Left-click area of the touchpad

Move your finger on the touchpad within this area to control the cursor. Tap this area to left-click.

2. Right-click area of the touchpad

Move your finger on the touchpad within this area to control the cursor. Tap this area to right-click.

Front



Figure 5. Front view

1. Infrared emitter

The Infrared emitter emits infrared light, which enables the infrared camera to sense and track motion.

2. Infrared camera

The Infrared camera uses facial recognition and enhances security when paired with Windows Hello face authentication.

3. RGB and infrared camera

The RGB and infrared camera enables you to video chat, capture photos, and record videos.

4. Camera-status light

The 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 brightness of the display, keyboard and capacitive touch function row.

Bottom

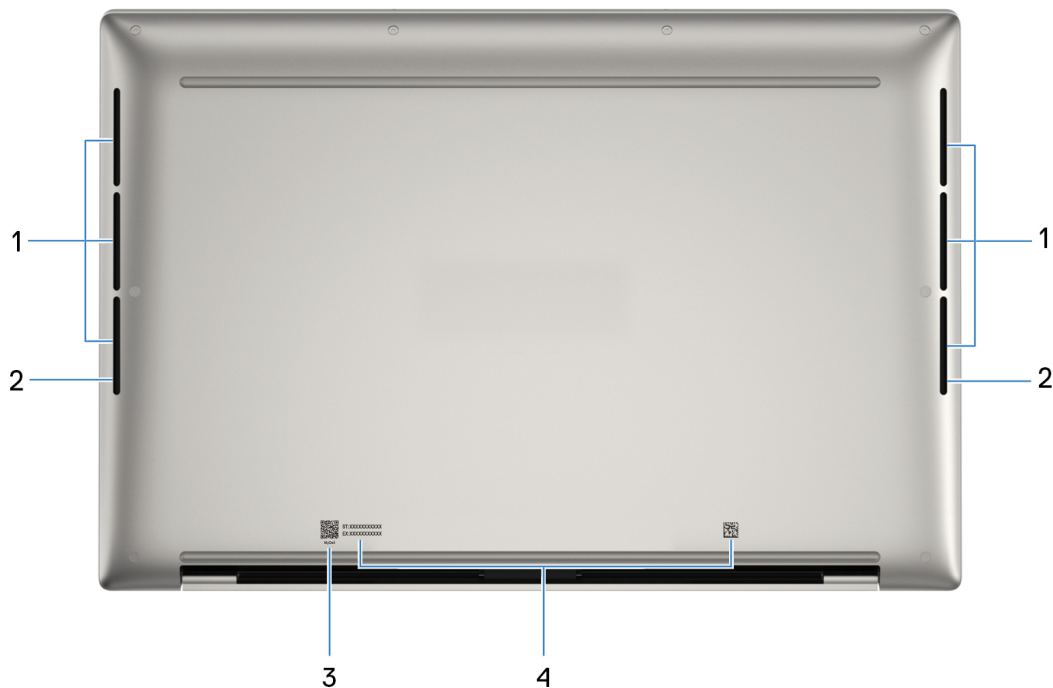


Figure 6. Bottom view

1. Air vents

Air vents provide ventilation for your computer. Clogged air vents can cause overheating and can affect your computer 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 about cleaning air vents, search for articles in the Knowledge Base Resource at [Dell Support Site](#).

2. Woofer speakers (Down-firing)

Provides audio output, optimized for lower-frequency sounds.

3. MyDell QR code

MyDell is your hub for content that is personalized for your Dell 14 Premium DA14250, including videos, articles, manuals, and access to support.

4. 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.

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

Set up your Dell 14 Premium DA14250

About this task

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.

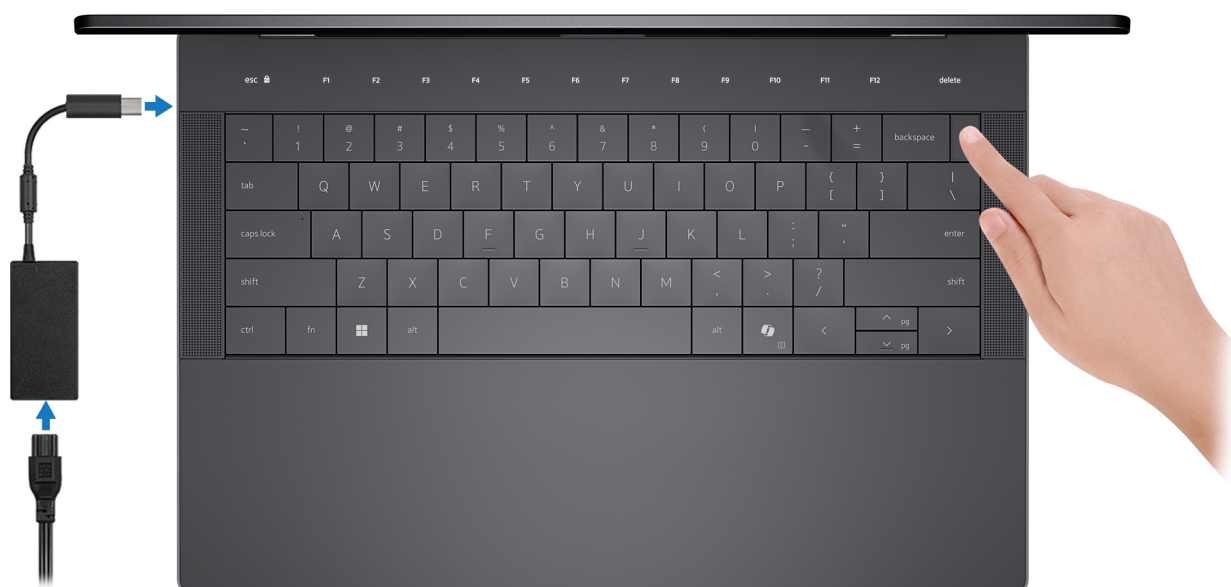


Figure 8. Connect the power adapter and press the power button.

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.
Follow the on-screen instructions to complete the setup. When setting up, Dell Technologies 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






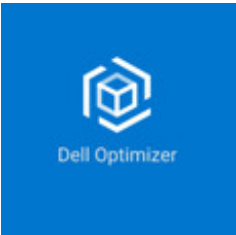
Resources	Description
	Dell Product Registration Register your computer with Dell.

Table 1. Locate Dell apps (continued)


Resources	Description
	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>
	<p>SupportAssist</p> <p>SupportAssist keeps your computer running at its best by optimizing settings, detecting issue, and 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.</p> <p> NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>Dell Update</p> <p>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.</p>
	<p>Dell Optimizer</p> <p>Dell Optimizer is an AI-based software application that allows you to customize your computer settings for power and battery, and more.</p> <p>For Dell 14 Premium DA14250 with Dell Optimizer, you can:</p> <ul style="list-style-type: none"> • Tune the performance, power consumption, cooling, and fan noise with selectable thermal modes. • Download and redeem the apps that are purchased with your computer. <p>For more information about configuring and using these features, search for <i>Dell Optimizer</i> at Dell Support Site.</p>

Specifications of Dell 14 Premium DA14250

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell 14 Premium DA14250.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	6.70 mm (0.26 in.)
Rear height	18.02 mm (0.71 in.)
Width	320 mm (12.6 in.)
Depth	215.97 mm (8.50 in.)
Weight  NOTE: The weight of your computer depends on the configuration that you ordered.	For computers shipped with FHD display: <ul style="list-style-type: none"> • 1.63 kg (3.6 lb) - minimum • 1.78 kg (3.92 lb) - maximum For computers shipped with OLED display: <ul style="list-style-type: none"> • 1.72 (3.79 lb) - minimum • 1.83 kg (4.03 lb) - maximum

Processor

The following table lists the details of the processors that are supported in your Dell 14 Premium DA14250.

Table 3. Processor



Description	Option one	Option two
Processor type	Intel Core Ultra 7 255H	Intel Core Ultra 7 265H
Processor wattage	<ul style="list-style-type: none"> • 28 W base power consumption • 115 W at maximum turbo frequency 	<ul style="list-style-type: none"> • 28 W base power consumption • 115 W at maximum turbo frequency
Processor total core count	16	16
Performance-cores	6	6
Efficient-cores	<ul style="list-style-type: none"> • 8 efficient cores • 2 low-power efficiency cores 	<ul style="list-style-type: none"> • 8 efficient cores • 2 low-power efficiency cores
Processor total thread count  NOTE: Intel Hyper-Threading Technology is only available on Performance-cores.	16	16
Processor speed	Up to 5.1 GHz	Up to 5.3 GHz

Table 3. Processor (continued)

Description		Option one	Option two
Frequency—Performance cores			
	Processor base frequency	2.00 GHz	2.20 GHz
	Maximum turbo frequency	5.10 GHz	5.30 GHz
Frequency—Efficient cores			
	Processor base frequency	<ul style="list-style-type: none"> 1.50 GHz for efficient cores 0.70 GHz for low-power efficiency cores 	<ul style="list-style-type: none"> 1.70 GHz for efficient cores 0.70 for low-power efficiency cores
	Maximum turbo frequency	<ul style="list-style-type: none"> 4.40 GHz for efficient cores 2.50 GHz for low-power efficiency cores 	<ul style="list-style-type: none"> 4.50 GHz for efficient cores 2.50 GHz for low-power efficiency cores
Processor cache		24 MB	24 MB
Integrated graphics		Intel Arc 140T Graphics	Intel Arc 140T Graphics
AI technology		Intel AI Boost	Intel AI Boost
Neural Processing Units (NPUs)		Two NPUs, supporting up to 13 TOPs	Two NPUs, supporting up to 13 TOPs
 NOTE: Tera Operations Per Second (TOPS) is an AI performance metric that measures how many trillions of operations per second an AI processor can perform.			

Chipset

The following table lists the details of the chipset that is supported by your Dell 14 Premium DA14250.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	<ul style="list-style-type: none"> Intel Core Ultra 7 255H Intel Core Ultra 7 265H
DRAM bus width	64-bit x 2
Flash EPROM	16 MB
PCIe bus	Up to PCIe 5.0

Operating system


Your Dell 14 Premium DA14250 supports the following operating systems:

- Windows 11 Pro
- Windows 11 Home

Memory

The following table lists the memory specifications that are supported by your Dell 14 Premium DA14250.

Table 5. Memory specifications

Description	Values
Memory slots	Dual-channel on-board memory  NOTE: The memory is integrated on the system board and is not upgradeable.
Memory type	LPDDR5X
Memory speed	<ul style="list-style-type: none">6400 MT/s: For computers shipped with integrated graphics card8400 MT/s: For computers shipped with discrete graphics card
Maximum memory configuration	64 GB
Minimum memory configuration	16 GB
Memory size per slot	16 GB, 32 GB, 64 GB
Memory configurations supported	For computers shipped with integrated graphics card: <ul style="list-style-type: none">16 GB LPDDR5X at 6400 MT/s32 GB LPDDR5X at 6400 MT/s64 GB LPDDR5X at 6400 MT/s For computers shipped with discrete graphics card: <ul style="list-style-type: none">16 GB LPDDR5X at 8400 MT/s32 GB LPDDR5X at 8400 MT/s64 GB LPDDR5X at 8400 MT/s

External ports and slots

The following table lists the external ports and slots on your Dell 14 Premium DA14250.

Table 6. External ports and slots




Description	Values
USB ports	Three Thunderbolt 4 USB Type-C ports with Power Delivery and DisplayPort  NOTE: Connect the USB Type-C power adapter to only one of the three USB Type-C ports.  NOTE: You can connect a Dell Docking Station to this port. For more information, search in the Knowledge Base Resource at Dell Support Site .
Audio port	<ul style="list-style-type: none">Three Thunderbolt 4 USB Type-C ports with Power Delivery and DisplayPortOne headset (headphone and microphone combo) port
Video port(s)	Three Thunderbolt 4 USB Type-C ports with Power Delivery and DisplayPort  NOTE: A USB-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

Table 6. External ports and slots (continued)

Description	Values
Media-card reader	One microSDXC card reader v7.1 UHS-I/UHS-II
Power-adaptor port	DC-IN through one of the three Thunderbolt 4 USB Type-C ports i NOTE: You can connect a Dell Docking Station to this port. For more information, see the knowledge base article 000124295 at Dell Support Site .
Security-cable slot	Not supported

Internal slots

The following table lists the internal slots of your Dell 14 Premium DA14250.

Table 7. Internal slots

Description	Values
M.2	One M.2 slot for M.2 2230 or M.2 2280 solid-state drive 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 .

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your Dell 14 Premium DA14250.

Table 8. Wireless module specifications

Description	Values
Model number	Intel Killer Wi-Fi 7 (BE201)
Transfer rate	Up to 5800 Mbps
Frequency bands supported	2.4 GHz/5 GHz/6 GHz
Wireless standards	<ul style="list-style-type: none">• Wi-Fi 802.11a/b/g• Wi-Fi 4 (Wi-Fi 802.11n)• Wi-Fi 5 (Wi-Fi 802.11ac)• Wi-Fi 6E (Wi-Fi 802.11ax)• Wi-Fi 7 (Wi-Fi 802.11be)
Encryption	<ul style="list-style-type: none">• WEP• WPA• WPA2• WPA3
Bluetooth wireless card i NOTE: The functionality of the Bluetooth wireless card may vary based on the operating system.	Bluetooth 5.4

Audio

The following table lists the audio specifications of your Dell 14 Premium DA14250.

Table 9. Audio specifications

Description		Values
Audio controller		CirrusLogic CS42L43
Stereo conversion		Supported with Waves MaxxAudio Pro and Waves Nx 3D audio
Internal audio interface		SoundWire interface
External audio interface		Three Thunderbolt 4 USB Type-C ports with Power Delivery and DisplayPort
Number of speakers		<ul style="list-style-type: none">Two tweeter speakers (Top-firing)Two woofer speakers (Bottom-firing)
Internal-speaker amplifier		Discrete SmartAmp
External volume controls		Media control keys on capacitive touch function row
Speaker output:		
	Average	<ul style="list-style-type: none">2 W + 2 W (tweeter)2 W + 2 W (woofer)
	Peak	<ul style="list-style-type: none">2.5 W + 2.5 W (tweeter)2.5 W + 2.5 W (woofer)
Microphone		Dual digital-array microphones; IntelliGo noise reduction

Storage

This section lists the storage options on your Dell 14 Premium DA14250.

Your Dell 14 Premium DA14250 supports one M.2 2230 or M.2 2280 solid-state drive.

Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	Gen 4 x4 PCIe NVMe	512 GB or 1 TB
M.2 2280 solid-state drive, SED-Ready	Gen 4 x4 PCIe NVMe	2 TB or 4 TB

Media-card reader

The following table provides the specification of media cards that are supported by your Dell 14 Premium DA14250.

Table 11. Media-card reader specifications

Description	Values
Media-card slot type	One microSDXC card reader v7.1 UHS-I/UHS-II

Table 11. Media-card reader specifications (continued)

Description	Values
Media-cards supported	<ul style="list-style-type: none">• microSecure Digital (mSD)• microSecure Digital High Capacity (mSDHC)• microSecure Digital Extended Capacity (mSDXC)
i NOTE: 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 14 Premium DA14250.

Table 12. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">• Arabic, English International, Canada (Bilingual) (MUI), English US, Hebrew, Korean, Traditional Chinese: 64 keys• English UK, Belgian, French (European), Czech/Slovakian (MUI), German, Italian, Nordic (MUI), Spanish (Latin America), Swiss European (MUI), Turkish, Portuguese Iberian, Spanish (Castilian): 65 keys• Japanese: 68 keys
Key pitch	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.</p> <ul style="list-style-type: none">• To type the alternate character, press Shift and the desired key.• To perform secondary functions, press Fn and the desired key. <p>i NOTE: You can define the primary behavior of the function keys (F1–F12) by 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, see the Knowledge Base Resource at the Dell Support site.</p>

Keyboard shortcuts of Dell 14 Premium DA14250

i **NOTE:** Keyboard characters may differ depending on the keyboard language configuration of your computer. Keys that are used for shortcuts remain the same across all language configurations.

Standard shortcut keys










Some keys on your keyboard have two symbols on them. These keys can be used to type alternative 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.

Keys on the capacitive touch function row

The top row of the keyboard is a capacitive touch panel. Pressing the **fn** key toggles between the standard function keys (**F1-F12**) and keys for media control.

NOTE: Pressing the **fn** and **esc** keys together locks the mode of the capacitive touch function row (indicated by a lock symbol next to the **esc** key). When the computer restarts, the default mode of the capacitive touch function row is what was set before the computer was restarted.

Table 13. Media keys available on the capacitive touch function row

Media keys	Description
	Escape key NOTE: A lock symbol appears when the mode of the capacitive touch panel is locked.
	Mute or unmute audio
	Decrease volume
	Increase volume
	Mute or unmute microphone NOTE: A light appears next to the microphone mute icon when the microphone is muted.
	Play or pause media
	Adjust keyboard backlight brightness
	Decrease brightness of display
	Increase brightness of display

Other keyboard shortcuts

Table 14. Dedicated keys to launch specific features



Keys	Description
	Launch the Windows Start menu
	Launch Copilot in Windows. NOTE: If Copilot in Windows is not available on your computer, the Copilot key launches Windows Search. For more information about Copilot in Windows, search in the Knowledge Base Resource at Dell Support Site .

Table 14. Dedicated keys to launch specific features (continued)

Keys	Description
	 NOTE: Pressing Copilot + fn displays the contextual menu.

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

Table 15. List of keyboard shortcuts invoked with **fn** key

Keyboard shortcut	Description
fn + B	Pause
fn + S	Scroll lock
fn + R	System request
fn + ctrl + B	Break
fn + left arrow	Home
fn + right arrow	End

Camera

The following table lists the camera specifications of your Dell 14 Premium DA14250.

Table 16. Camera specifications

Description		Values
Number of cameras		Two
Camera type		FHD RGB-IR camera
Camera location		Front
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.07 megapixels
	Video	1920 x 1080 at 30 fps
Infrared camera resolution:		
	Video	640 x 360 at 15 fps
Diagonal viewing angle:		
	Camera	81.3 degrees
	Infrared camera	78.1 degrees

Touchpad

The following table lists the touchpad specifications of your Dell 14 Premium DA14250.

Table 17. Touchpad specifications

Description		Values
Touchpad resolution:		> 300 DPI
Touchpad dimensions:		
	Horizontal	149 mm (5.87 in.)
	Vertical	74 mm (2.91 in.)
Touchpad gestures		For more information about the touchpad gestures available on Windows, see the Microsoft Knowledge Base article at Microsoft Support Site .

Power adapter

The following table lists the power adapter specifications of your Dell 14 Premium DA14250.

Table 18. Power-adapter specifications





Description		Option one	Option two
Type		60 W AC small form factor  NOTE: Available with computer configurations supporting integrated graphics.	100 W AC small form factor  NOTE: Available with computer configurations supporting discrete graphics.
Power-adapter dimensions:			
	Height	22 mm (0.86 in.)	26.50 mm (1.04 in.)
	Width	55 mm (2.16 in.)	60 mm (2.36 in.)
	Depth	66 mm (2.59 in.)	122 mm (4.80 in.)
Input voltage		100 VAC–240 VAC	100 VAC–240 VAC
Input frequency		50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)		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 V/3 A (continuous)• 5 V/3 A (continuous)	<ul style="list-style-type: none">• 20 V/5 A (continuous)• 15 V/3 A (continuous)• 9 V/3 A (continuous)• 5 V/3 A (continuous)
Rated output voltage		<ul style="list-style-type: none">• 20 VDC• 15 VDC• 9 VDC• 5 VDC	<ul style="list-style-type: none">• 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)

Table 18. Power-adapter specifications (continued)




Description		Option one	Option two
	Storage	-20°C to 70°C (-4°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 shipped with integrated graphics)


 **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.

The following table lists the power adapter requirements for your Dell 14 Premium DA14250, shipping with the integrated graphics option.

Table 19. Power adapter requirements (Integrated graphics)

Description	Value
Power that is required from a power adapter to achieve optimal performance	60 W
Power that charges the computer at a slower speed  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  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	Supported  NOTE: Ensure that the computer with a 70 Wh battery is connected to a 60 W power adapter for this feature to be supported.

Power adapter requirements (for computers shipped with discrete graphics)

 **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.

The following table lists the power adapter requirements for your Dell 14 Premium DA14250, shipping with the discrete graphics option.

Table 20. Power adapter requirements (Discrete graphics)

Description	Value
Power that is required from a power adapter to achieve optimal performance	100 W
Power that charges the computer at a slower speed	Less than 100 W

Table 20. Power adapter requirements (Discrete graphics) (continued)

Description	Value
i NOTE: A warning message may appear informing you about the use of a lower-powered adapter and slower charging speed.	
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.	45 W
USB Power Delivery (PD) fast charging	Supported
ExpressCharge mode	Supported i NOTE: Ensure that the computer with a 70 Wh battery is connected to a 100 W power adapter for this feature to be supported.



Battery

The following table lists the battery specifications of your Dell 14 Premium DA14250.


Table 21. Battery specifications

Description	Values
Battery type	6-cell lithium-ion polymer 70 Wh
Battery voltage	11.70 VDC
Battery weight (maximum)	0.27 kg (0.59 lb)
Battery dimensions:	
Height	6.75 mm (0.27 in.)
Width	268.70 mm (10.58 in.)
Depth	73 mm (2.87 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)
Storage	-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 condition
Battery charging time (approximate) i NOTE: You can 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 Dell Support Site .	<ul style="list-style-type: none"> ExpressCharge (supported by 60 W or 100 W power adapters): Charge from 0% to 80% within 1 hour, 0% to 100% within 2 hours ExpressCharge Boost (supported by 100 W power adapters only): Charge from 0% to 35% in 20 minutes, 0% to 80% within 1 hour, 0% to 100% within 2 hours
Coin-cell battery	Not supported

Table 21. Battery specifications (continued)

Description	Values
 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 Technologies recommends that you charge the battery regularly for optimal power consumption.	

Power requirements (for computers shipped with integrated graphics)

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

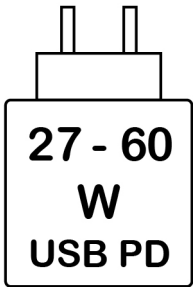



Figure 9. Pictogram for 70 Wh battery

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 60 Watts in order to achieve the maximum charging speed.

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

Power requirements (for computers shipped with discrete graphics)

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

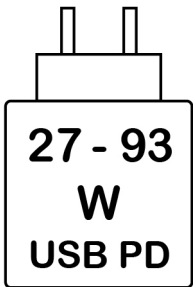


Figure 10. Pictogram for 70 Wh battery

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 93 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 14 Premium DA14250.

Table 22. Display specifications

Description		Option one	Option two
Display type		14.5-inch, 3.2K, Organic Light Emitting Diode (OLED), Low Blue Light	14.5-inch, 2K, White Light Emitting Diode (WLED), Low Blue Light
Touch options		Yes	No
Display-panel technology		Active Matrix Organic Light Emitting Diode (AMOLED)	In-Plane Switching (IPS)
Display-panel dimensions (active area):			
	Height	312.19 mm (12.29 in.)	312.19 mm (12.29 in.)
	Width	195.12 mm (7.68 in.)	195.12 mm (7.68 in.)
	Diagonal	14.50 mm (0.57 in.)	14.50 mm (0.57 in.)
Display-panel native resolution		3200 x 2000	1920 x 1200
Luminance (typical)		400 nits	500 nits
Megapixels		6.40	2.304
Color gamut		100% DCI-P3	100% sRGB
Pixels Per Inch (PPI)		260	156
Contrast ratio (minimum)		1000000:1	2000:1
Response time (maximum)		1 ms	24 ms
Refresh rate		48 Hz to 120 Hz (VRR)	30 Hz to 120 Hz (VRR)
Horizontal view angle		+/- 85 degrees	+/- 85 degrees
Vertical view angle		+/- 85 degrees	+/- 85 degrees
Pixel pitch		0.0976 mm	0.1626 mm
Power consumption (maximum)		9.32 W	2.39 W
Anti-glare vs glossy finish		Anti-reflective	Anti-glare

Fingerprint reader

The following table lists the fingerprint-reader specifications of your Dell 14 Premium DA14250.


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

Table 23. Fingerprint reader specifications

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

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell 14 Premium DA14250.

Table 24. GPU—Integrated

Controller	Memory size	Processor
Intel Arc 140T Graphics	Shared system memory	<ul style="list-style-type: none">Intel Core Ultra 7 255HIntel Core Ultra 7 265H

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Dell 14 Premium DA14250.

Table 25. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce RTX 4050	6 GB	GDDR6

External display support

The following table lists the external display support for your Dell 14 Premium DA14250.

Table 26. External display support

Graphics card	Supported external displays with laptop display enabled	Supported external displays with laptop display disabled
Intel Arc 140T Graphics	3	4
NVIDIA GeForce RTX 4050	3	3

Operating and storage environment


This table lists the operating and storage specifications of your Dell 14 Premium DA14250.

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

Table 27. 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)

Table 27. Computer environment (continued)

Description	Operating	Storage
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 (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 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 the user environment.

† Measured using a 2 ms half-sine pulse.

Dell support policy

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

Dell low blue light display

 **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 cm 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.

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 28. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	Dell Site
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	Windows Support Site
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	<p>Your Dell computer is uniquely identified using 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 Dell Support Site.</p> <p>For more information about how to find the Service Tag for your computer, see Locate the Service Tag on your computer.</p>
Dell knowledge base articles	<ol style="list-style-type: none"> 1. Go to Dell Support Site. 2. On the menu bar at the top of the Support page, select Support > Support Library. 3. In the Search field on the Support Library 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 [Dell Support Site](#).

 **NOTE:** Availability of the services may vary depending on the country or region, and product.

 **NOTE:** If you do not have an active Internet connection, you can find contact information in your purchase invoice, packing slip, bill, or Dell product catalog.