

Dell Pro 14 Essential

PV14255

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 Pro 14 Essential PV14255

Right



Figure 1. Right view

1. SD-card slot

Reads from and writes to the SD card. This computer supports the following card types:

- Secure Digital (SD)
- Secure Digital High Capacity (SDHC)
- Secure Digital Extended Capacity (SDXC)

2. Global headset jack

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

3. USB 3.2 Gen 1 (5 Gbps) port

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

4. Wedge-shaped lock slot

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

Left



Figure 2. Left view

1. Power-adaptor port (primary power)

Connect a power adapter to provide power to your computer and charge the battery.

2. Power and battery-status light

Indicates the power state and battery state of the computer.

Solid white - Power adapter is connected and the battery is charging.

Solid amber - Battery charge is low or critical.

Off - Battery is fully charged.

NOTE: On certain computer, the power and battery-status light is also used for diagnostics. For more information, see the *Troubleshooting* section in the of your computer.

3. HDMI 1.4 port

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

4. USB 3.2 Gen 1 (5 Gbps) port

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

5. USB 3.2 Gen 2 (10 Gbps) Type-C port with DisplayPort Alt mode 1.4/Power Delivery

Connect devices such as external storage devices, printers, and external displays. Provides data transfer speeds up to 10 Gbps.

Supports Power Delivery that enables two-way power supply between devices. Provides up to 15 W power output that enables faster charging.

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

Top

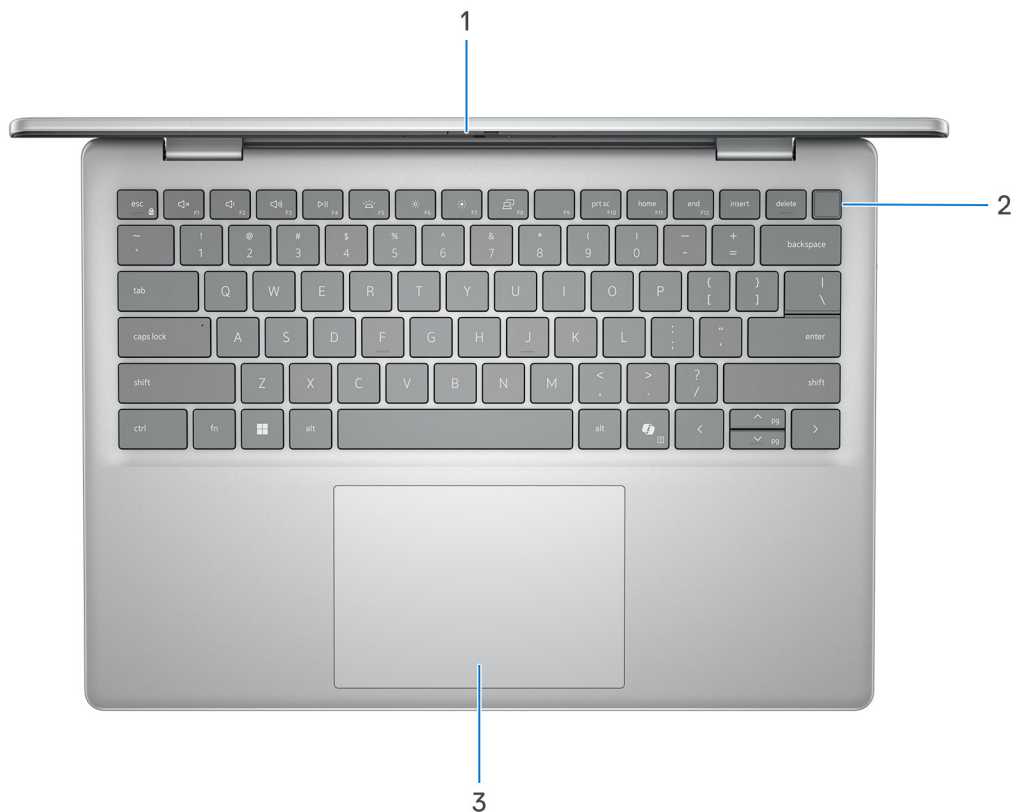


Figure 3. Top view

1. Privacy shutter (only for computers shipped with an aluminum chassis)

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

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.

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

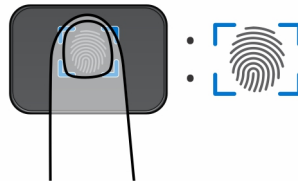


Figure 4. Active area of the fingerprint reader

NOTE: The highlighted area indicates the active fingerprint reader area, and the image is for illustration purposes only.

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

3. Precision touchpad

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

Front

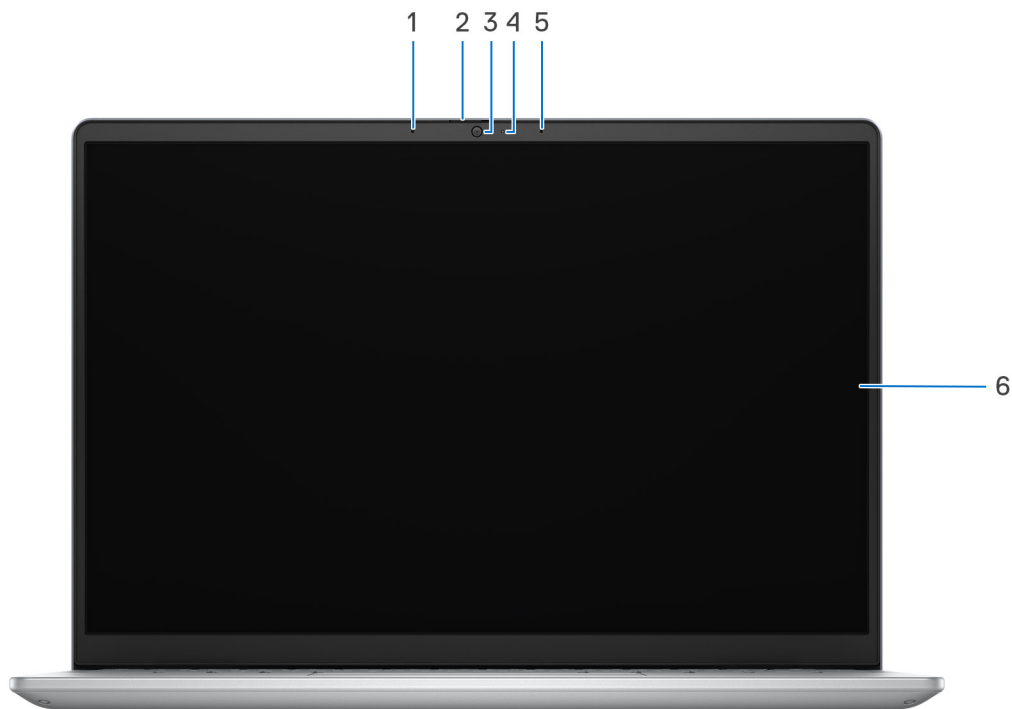


Figure 5. Front view

1. Left microphone

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

NOTE: This is applicable for computers that are shipped with an aluminum chassis.

2. Privacy shutter (only for computers shipped with an aluminum chassis)

Slide the privacy shutter to cover the camera lens and protect your privacy when the camera is not in use.

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. Right microphone

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

6. Display

Provides visual output.

Bottom

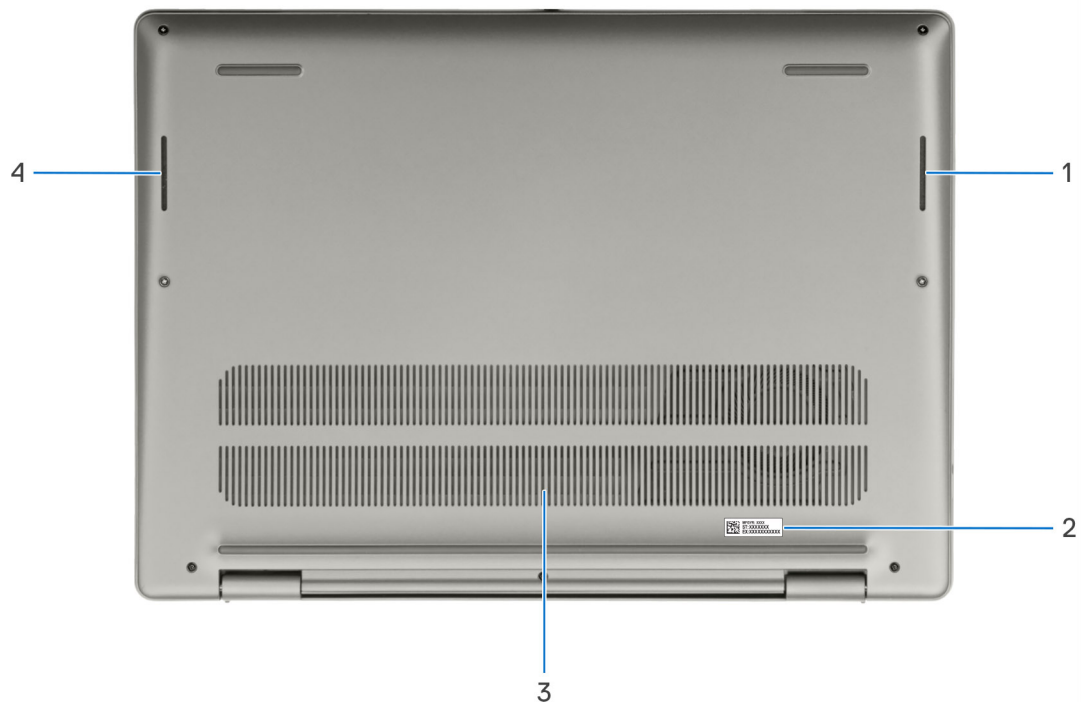


Figure 6. Bottom view

1. Right speaker

Provides audio output.

2. Service Tag label

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

3. 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 about cleaning air vents, search for articles in the Knowledge Base Resource at [Dell Support Site](#).

4. Left speaker

Provides audio output.

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.

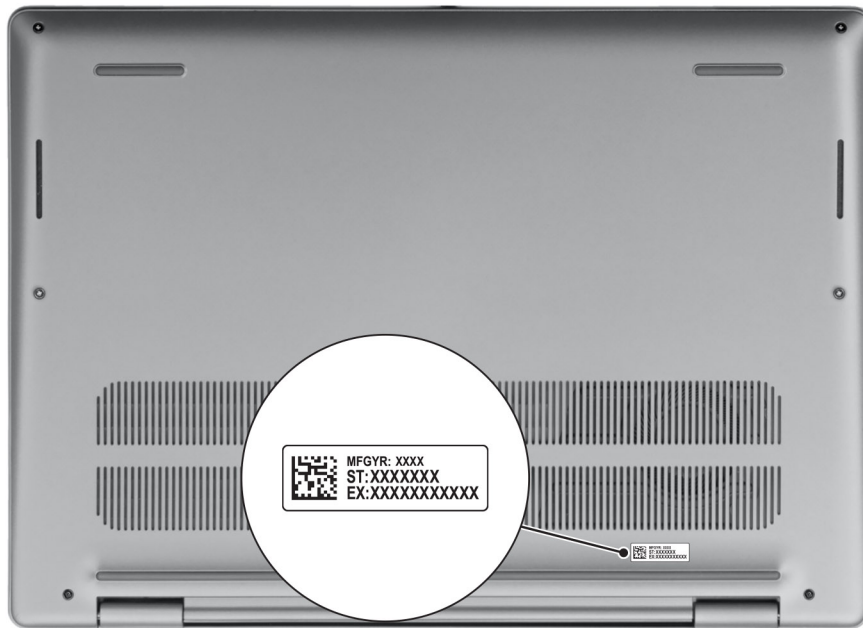


Figure 7. Service Tag

Battery-status light

The following table lists the battery-status light of your Dell Pro 14 Essential PV14255.

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 14 Essential PV14255

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 storage 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. For more information about battery storage mode, see the knowledge base article at [Dell Support Site](#).

2. Finish the Windows 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 2. Locate Dell apps in Windows in S-mode







Resources	Description
	<p>Dell Product Registration</p> <p>Register your computer with Dell.</p>
	<p>Dell Help & Support</p> <p>Access help and support for your computer.</p>
	<p>SupportAssist</p> <p>SupportAssist proactively and predictively identifies hardware and software issues on your computer and automates the engagement process with Dell Technical support. It addresses performance and stabilization issues, prevents security threats, monitors, and detects hardware failures. For more information, see <i>SupportAssist for Home PCs User's Guide</i> at SupportAssist for Home PCs.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>

Table 3. Locate Dell apps in Windows

Resources	Description
	<p>MyDell (replaced with Dell Optimizer)</p> <p>MyDell (replaced with Dell Optimizer) is a software application that offers you a single streamlined engagement platform including account access, device information, and hardware settings. This software delivers intelligent features that automatically fine-tune your computer for the best possible audio, power, and performance. Get the most out of your Dell device with intelligent, personalized technology from MyDell (replaced with Dell Optimizer). Following are the key features of MyDell (replaced with Dell Optimizer):</p> <ul style="list-style-type: none"> • Application • Audio • Power • Color and Display • Presence detection <p>For more information about how to use MyDell (replaced with Dell Optimizer), see product guides at Dell Support Site.</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 Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information about using Dell Digital Delivery, search in the Knowledge Base Resource at Dell Support Site.</p>

Specifications of Dell Pro 14 Essential PV14255

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell Pro 14 Essential PV14255.

Table 4. Dimensions and weight

Description	Plastic chassis	Aluminum chassis
Height		
Front height	16.90 mm (0.66 in.)	15.86 mm (0.62 in.)
Rear height	18.07 mm (0.71 in.)	17.31 mm (0.68 in.)
Maximum height	19.90 mm (0.78 in.)	18.90 mm (0.74 in.)
Width	314 mm (12.36 in.)	314 mm (12.36 in.)
Depth	226.15 mm (8.90 in.)	226.15 mm (8.90 in.)
Weight <i>i</i> NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> • Minimum: 1.54 kg (3.39 lb) • Maximum: 1.69 kg (3.72 lb) 	<ul style="list-style-type: none"> • Minimum: 1.56 kg (3.43 lb) • Maximum: 1.65 kg (3.63 lb)

Processor

The following table lists the details of the processors that are supported by your Dell Pro 14 Essential PV14255.

Table 5. Processor

Description	Option one	Option two	Option three	Option four
Processor type	AMD Ryzen AI 7 350	AMD Ryzen AI 5 330	AMD Ryzen 7 250	AMD Ryzen 5 220
Processor wattage	15 W	15 W	20 W	15 W
Processor total core count	8	4	8	6
Processor total thread count <i>i</i> NOTE: Intel Hyper-Threading Technology is only available on Performance-cores.	16	8	16	12
Processor speed	Up to 5.00 GHz	Up to 4.50 GHz	Up to 5.10 GHz	Up to 4.90 GHz

Table 5. Processor (continued)

Description	Option one	Option two	Option three	Option four
Processor cache	<ul style="list-style-type: none"> L2 Cache: 8 MB L3 Cache: 16 MB 	<ul style="list-style-type: none"> L2 Cache: 4 MB L3 Cache: 8 MB 	<ul style="list-style-type: none"> L2 Cache: 8 MB L3 Cache: 16 MB 	<ul style="list-style-type: none"> L2 Cache: 6 MB L3 Cache: 16 MB
Integrated graphics	AMD Radeon 860M Graphics	AMD Radeon 820M Graphics	AMD Radeon Graphics	AMD Radeon Graphics

Chipset

The following table lists the details of the chipset that is supported by your Dell Pro 14 Essential PV14255.

Table 6. Chipset

Description	Values
Chipset	Integrated with the processor
Processor	AMD Ryzen AI 7 350/AMD Ryzen AI 5 330/AMD Ryzen 7 250/AMD Ryzen 5 220
DRAM bus width	128-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen4

Operating system

Your Dell Pro 14 Essential PV14255 supports the following operating systems:

- For 220/250 processors
 - Windows 11 Home
 - Windows 11 Pro
 - Windows 11 Education – National Academic
 - Ubuntu Linux 24.04.2 LTS
- For AI 330/350 processors
 - Windows 11 Home NextGen
 - Windows 11 Pro NextGen
 - Ubuntu Linux 24.04.2 LTS

Memory

The following table lists the memory specifications that are supported by your Dell Pro 14 Essential PV14255.

Table 7. Memory specifications

Description	Values
Memory slots	Two SODIMM slots
Memory type	Dual-channel DDR5
Memory speed	5600 MT/s
Maximum memory configuration	32 GB

Table 7. Memory specifications (continued)

Description	Values
Minimum memory configuration	8 GB
Memory size per slot	8 GB or 16 GB or 32 GB
Memory configurations supported	<ul style="list-style-type: none"> 8 GB: 1 x 8 GB, DDR5, 5600 MT/s, single-channel 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, single-channel 16 GB: 2 x 8 GB, DDR5, 5600 MT/s, dual-channel 24 GB: 1 x 8 GB + 1 x 16 GB, DDR5, 5600 MT/s, dual-channel 32 GB: 1 x 32 GB, DDR5, 5600 MT/s, single-channel 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, dual-channel

External ports and slots

The following table lists the external ports and slots on your Dell Pro 14 Essential PV14255.


Table 8. External ports and slots

Description	Values
USB ports	<ul style="list-style-type: none"> Two USB 3.2 Gen 1 (5 Gbps) ports One USB 3.2 Gen 2 (10 Gbps) Type-C port with DisplayPort Alt mode 1.4/Power Delivery
Audio port	One headset (headphone and microphone combo) port
Video port(s)	One HDMI 1.4 port
Media-card reader	One SD-card slot
Power-adaptor port	One power-adaptor port (4.50 mm standard plug)
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Dell Pro 14 Essential PV14255.


Table 9. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 2230 slot for solid state drive One M.2 2230 slot for Wi-Fi and Bluetooth combo card <p> NOTE: To learn more about the features of different types of M.2 cards, search 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 Essential PV14255.

Table 10. Wireless module specifications

Description	Plastic chassis	Aluminum chassis
Model number	Realtek Wi-Fi 6 RTL8852BE	Realtek Wi-Fi 6E RTL8852CE
Transfer rate	1201 Mbps	2402 Mbps
Frequency bands supported	2.4 GHz/5 GHz	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 (WiFi 802.11ac) • Wi-Fi 6 (WiFi 802.11ax) 	<ul style="list-style-type: none"> • Wi-Fi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP 	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth wireless card  NOTE: The functionality of the Bluetooth wireless card may vary based on the operating system.	Bluetooth 5.3	Bluetooth 5.3

Audio

The following table lists the audio specifications of your Dell Pro 14 Essential PV14255.

Table 11. Audio specifications

Description	Values
Audio controller	Realtek ALC3204
Stereo conversion	Supported
Internal audio interface	High Definition Audio (HDA) interface
External audio interface	One headset (headphone and microphone combo) port
Number of speakers	Two
Internal-speaker amplifier	Supported (Audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	2 W x 2 = 4 W
Peak	2.5 W x 2 = 5 W
Microphone	<ul style="list-style-type: none"> • Plastic chassis: Single integrated microphone • Aluminum chassis: Digital-array microphones

Storage

This section lists the storage options on your Dell Pro 14 Essential PV14255.

Your Dell Pro 14 Essential PV14255 supports one M.2 2230 solid state drive. The M.2 2230 solid state drive is the primary storage drive of your computer.


Table 12. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid state drive, Class 25	Gen4 PCIe NVMe	512 GB/1 TB/2 TB
M.2 2230 solid state drive, Class 35	Gen4 PCIe NVMe	256 GB

Media-card reader

The following table provides the specification of media cards that are supported by your Dell Pro 14 Essential PV14255.

Table 13. Media-card reader specifications

Description	Values
Media-card slot type	One SD-card slot
Media-cards supported	<ul style="list-style-type: none">Secure Digital (SD)Secure Digital High Capacity (SDHC)Secure Digital Extended Capacity (SDXC)
 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 Pro 14 Essential PV14255.

Table 14. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none">Backlit Copilot key keyboard with fingerprint readerNon-backlit Copilot key keyboard with fingerprint reader
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">79 keys (Arabic, English International, English US, French Canadian)80 keys (Belgian, Bulgarian, English UK, French European, German, Italian, Nordic, Spanish, Swiss European)83 keys (Japanese)81 keys (Brazilian)
Key pitch	Horizontal = 19.05 mm Vertical = 18.05 mm
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.

Table 14. Keyboard specifications (continued)

Description	Values
	<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 Pro 14 Essential PV14255

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 15. Function key primary behavior

Function key	Primary behavior
F1	Mute or unmute audio
F2	Decrease volume
F3	Increase volume
F4	Play or pause
F5	KB Illumination/Backlight
F6	Decrease brightness
F7	Increase brightness
F8	Switch to external display
F10	Print screen
F11	Home
F12	End

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

Table 16. 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 F6 behavior
Fn + F8	Operating system and application-specific F8 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 + Esc	Toggle fn key lock
Fn + S	Toggle scroll lock
Fn + B	Pause or break
Fn + R	System request
Fn + P	Privacy screen
Fn + Copilot	Open the application menu
Fn + Space bar	Open the emoji menu
Fn + T	Toggle ultraperformance mode
Fn + Left arrow	Home
Fn + Right arrow	End

Camera

The following table lists the camera specifications of your Dell Pro 14 Essential PV14255.

Table 17. Camera specifications

Description	Plastic chassis	Aluminum chassis
Number of cameras	One	One
Camera type	HD RGB camera	FHD RGB camera
Camera location	Front camera	Front camera
Camera sensor type	CMOS sensor technology	CMOS sensor technology
Camera resolution:		
Still image	0.92 megapixel	2.07 megapixel
Video	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle	75 degrees	82.20 degrees

Touchpad

The following table lists the touchpad specifications of your Dell Pro 14 Essential PV14255.

Table 18. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	>= 300 dpi
	Vertical	>= 300 dpi
Touchpad dimensions:		
	Horizontal	115 mm (4.52 in.)
	Vertical	80 mm (3.14 in.)
Touchpad gestures		For more information about the touchpad gestures that are available on: <ul style="list-style-type: none"> • Windows, search Microsoft Support Site. • Ubuntu, search Ubuntu Support Site.

Power adapter

The following table lists the power adapter specifications of your Dell Pro 14 Essential PV14255.

Table 19. Power-adapter specifications

Description		Values
Type		65 W
Connector dimensions:		
	External diameter	4.50 mm
	Internal diameter	2.90 mm
Power-adapter dimensions:		
	Height	29.50 mm
	Width	47.00 mm
	Depth	108.00 mm
Power-adapter weight (maximum)		0.265 kg
Input voltage		100 VAC–240 VAC
Input frequency		50 Hz–60 Hz
Input current (maximum)		1.60 A/1.70 A
Output current (continuous)		3.34 A
Rated output voltage		19.50 VDC
Temperature range:		

Table 19. Power-adapter specifications (continued)

Description		Values
	Operating	0°C to 40°C (32°F to 104°F)
	Storage	-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 of Dell Pro 14 Essential PV14255

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 Pro 14 Essential PV14255.

Table 20. Power adapter requirements

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 63 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.	45 W
USB Power Delivery (PD) fast charging	Supported
ExpressCharge mode	Supported NOTE: Ensure that the computer with a 41 Wh battery is connected to a 65 W power adapter for this feature to be supported.

Battery

The following table lists the battery specifications of your Dell Pro 14 Essential PV14255.

Table 21. Battery specifications

Description	Plastic chassis		Aluminum chassis	
	Option one	Option two	Option one	Option two
Battery type	3-cell, 41 Wh, Lithium Ion Polymer, ExpressCharge, ExpressCharge Boost	4-cell, 54 Wh, Lithium Ion Polymer, ExpressCharge	4-cell, 54 Wh, Lithium Ion Polymer, ExpressCharge	4-cell, 64 Wh, Lithium Ion Polymer, ExpressCharge
Battery voltage	11.25 VDC	15 VDC	15 VDC	15.20 VDC
Battery weight (maximum)	0.17 kg (0.39 lb)	0.24 kg (0.53 lb)	0.24 kg (0.53 lb)	0.26 kg (0.57 lb)
Battery dimensions:				

Table 21. Battery specifications (continued)

Description	Plastic chassis		Aluminum chassis	
	Option one	Option two	Option one	Option two
Height	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)
Width	206.40 mm (8.12 in.)	271.90 mm (10.66 in.)	271.90 mm (10.66 in.)	271.90 mm (10.66 in.)
Depth	82 mm (3.22 in.)	82 mm (3.22 in.)	82 mm (3.22 in.)	82 mm (3.22 in.)
Temperature range:				
Operating	<ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) 	<ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F)
Storage	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°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)	<ul style="list-style-type: none"> ExpressCharge: 2 hours Standard charge: 3 hours (When the computer is off) <p>NOTE: Control the charging time, duration, start and end time, and so on, using the Dell Power Manager application. For more information about Dell Power Manager, search in the Knowledge Base Resource at Dell Support Site.</p>	<ul style="list-style-type: none"> ExpressCharge: 2 hours Standard charge: 3 hours (When the computer is off) 	<ul style="list-style-type: none"> ExpressCharge: 2 hours Standard charge: 3 hours (When the computer is off) 	<ul style="list-style-type: none"> ExpressCharge: 2 hours Standard charge: 3 hours (When the computer is off)
Coin-cell battery	Not supported	Not supported	Not supported	Not supported
<p>CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.</p> <p>CAUTION: Dell Technologies recommends that you charge the battery regularly for optimal power consumption. If your battery charge is depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.</p>				

Power requirements (for computers shipped with 3-cell, 41 Wh battery)

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

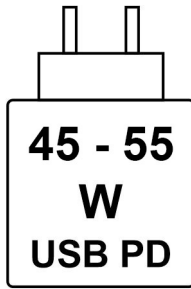


Figure 9. Pictogram for 3-cell, 41 Wh battery

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 55 Watts in order to achieve the maximum charging speed.

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

Power requirements (for computers shipped with 4-cell, 54 Wh battery)

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

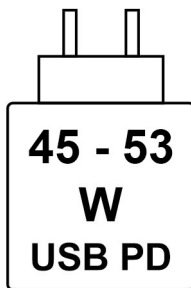


Figure 10. Pictogram for 4-cell, 54 Wh battery

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 53 Watts in order to achieve the maximum charging speed.

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

Power requirements (for computers shipped with 4-cell, 64 Wh battery)

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

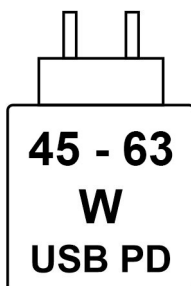


Figure 11. Pictogram for 4-cell, 64 Wh battery

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 63 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 Essential PV14255.

Table 22. Display specifications

Description		Option one	Option two
Display type		14" Full High Definition Plus (FHD+), ComfortView	14" Quad High Definition Plus (QHD+), ComfortView Plus
Touch options		Not supported	Not supported
Display-panel technology		In-Plane Switching (IPS) with Wide-viewing Angle (WVA)	In-Plane Switching (IPS) with Wide-viewing Angle (WVA)
Display-panel dimensions (active area):			
	Height	301.59 mm (11.87 in.)	301.59 mm (11.87 in.)
	Width	188.50 mm (7.42 in.)	188.50 mm (7.42 in.)
	Diagonal	355.65 mm (14 in.)	355.65 mm (14 in.)
Display-panel native resolution		1920 x 1200	2560 x 1600
Luminance (typical)		300 nits	300 nits
Megapixels		2.30	4.09
Color gamut		45% NTSC	100% sRGB
Pixels Per Inch (PPI)		162	216
Contrast ratio (minimum)		<ul style="list-style-type: none"> ● 600:1 (minimum) ● 800:1 (typical) 	<ul style="list-style-type: none"> ● 1000:1 (minimum) ● 1200:1 (typical)
Response time (maximum)		35 ms	35 ms
Refresh rate		60 Hz	120 Hz
Horizontal view angle		<ul style="list-style-type: none"> ● Minimum: +/- 80 degrees ● Typical: +/- 85 degrees 	<ul style="list-style-type: none"> ● Minimum: +/- 80 degrees ● Typical: +/- 85 degrees
Vertical view angle		<ul style="list-style-type: none"> ● Minimum: +/- 80 degrees ● Typical: +/- 85 degrees 	<ul style="list-style-type: none"> ● Minimum: +/- 80 degrees ● Typical: +/- 85 degrees
Pixel pitch		0.157 x 0.157 mm	0.117 x 0.117 mm
Power consumption (maximum)		3.68 W	4.80 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint reader of your Dell Pro 14 Essential PV14255.

NOTE: The fingerprint reader is on the power button.

Table 23. Fingerprint reader specifications

Description	Option one	Option two
Sensor technology	Capacitive	Capacitive
Sensor resolution	500 dpi	508 dpi
Sensor pixel size	108 mm x 88 mm	108 mm x 88 mm

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell Pro 14 Essential PV14255.

Table 24. GPU—Integrated

Controller	Memory size	Processor
AMD Radeon Graphics	Shared system memory	AMD Ryzen 5 220/AMD Ryzen 7 250
AMD Radeon 820M Graphics	Shared system memory	AMD Ryzen AI 5 330
AMD Radeon 860M Graphics	Shared system memory	AMD Ryzen AI 7 350

Multiple display support matrix

The following table lists the multiple display support matrix for your Dell Pro 14 Essential PV14255.

Table 25. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
AMD Radeon Graphics	Not supported	3	4
AMD Radeon 820M Graphics	Not supported	3	4
AMD Radeon 860M Graphics	Not supported	3	4

Operating and storage environment

This table lists the operating and storage specifications of your Dell Pro 14 Essential PV14255.

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

Table 26. Computer environment

Description	Operating	Storage
Temperature range	0°C to 40°C (32 °F to 104°F)	-40°C to 65°C (-40°F to 149°F)

Table 26. Computer environment (continued)

Description	Operating	Storage
Relative humidity (maximum)	90% (non-condensing)	95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	Not Applicable
Shock (maximum)	140 G†	Not Applicable
Altitude range	Not Applicable	Not Applicable

⚠ 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 [Dell Support Site](#).

ComfortView

⚠ 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.

Dell ComfortView software technology reduces harmful blue light emissions to make extended screen time easy on your eyes.

ComfortView mode can be enabled and configured using the Dell CinemaColor application.

ComfortView mode complies with TÜV Rheinland's requirement for low blue light displays.

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.
- 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.

ComfortView Plus

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

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

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

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

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

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 cm and 70 cm) from your eyes.

- 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.

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 27. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	Dell Site
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	Windows Support Site Linux Support Site
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals, and documents.	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 . For more information about how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
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.

Revision history

Tracks all updates that are made to the document. It typically includes the date of change, version number, and a brief description of the modification. This log helps maintain transparency, accountability, and a clear timeline of progress.

Table 28. Revision history

Revision	Date	Description
A00	08-29-2025	Original publish date.