Dell Pro Precision 7 16

PW716260

Setup and Specifications

Regulatory Model: P143F
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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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1

Views of Dell Pro Precision 7 16 PW716260

Right



Figure 1. Right view

1. **SD card slot**

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

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

2. **Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port**

   Connect devices such as external storage devices and printers.

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

   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 supports two 4K displays or one 8K display.

3. **Global headset port**

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

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

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

Left



Figure 2. Left view

1. **HDMI 2.1 port**

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

2. **Thunderbolt 5 (Up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports (2)**

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

   NOTE: The power adapter can be connected to one of these Thunderbolt 5 ports.

   NOTE: You can connect a Dell Docking Station to the Thunderbolt 5 ports. For more information, search in the Knowledge Base Resource at Dell Support Site.

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

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

   NOTE: Thunderbolt 5 supports up to three 4K displays or two 8K displays.

3. **Power and battery-status light**

   Indicates the power state and battery state of the computer.

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

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

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

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

Top



Figure 3. Top view

1. **Microphone (2)**

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

2. **Power button with optional fingerprint reader**

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

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

   Place your finger on the power button to log in.

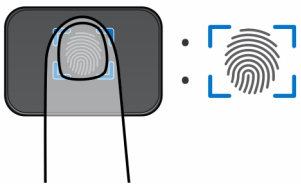

Figure 4. Active area of the fingerprint reader

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 Manuals at Dell Support Site.

3. **Right speaker**

   Provides audio output.

4. **Haptic touchpad**

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

5. **Left speaker**

   Provides audio output.

Front

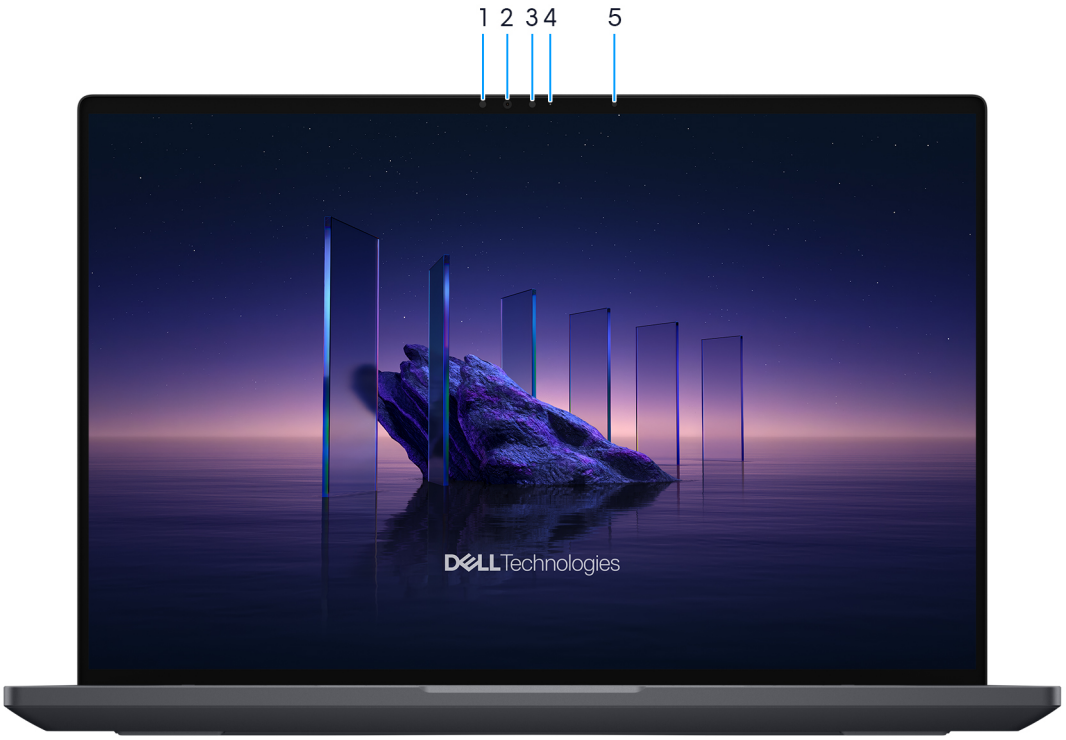

Figure 5. Front view

1. **IR sensor**

   Provides digital sound input for audio recording and voice calls.

2. **Infrared LED**

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

3. **Camera**

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

4. **Camera-status light**

   Turns on when the camera is in use.

5. **Ambient-light sensor**

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

Bottom

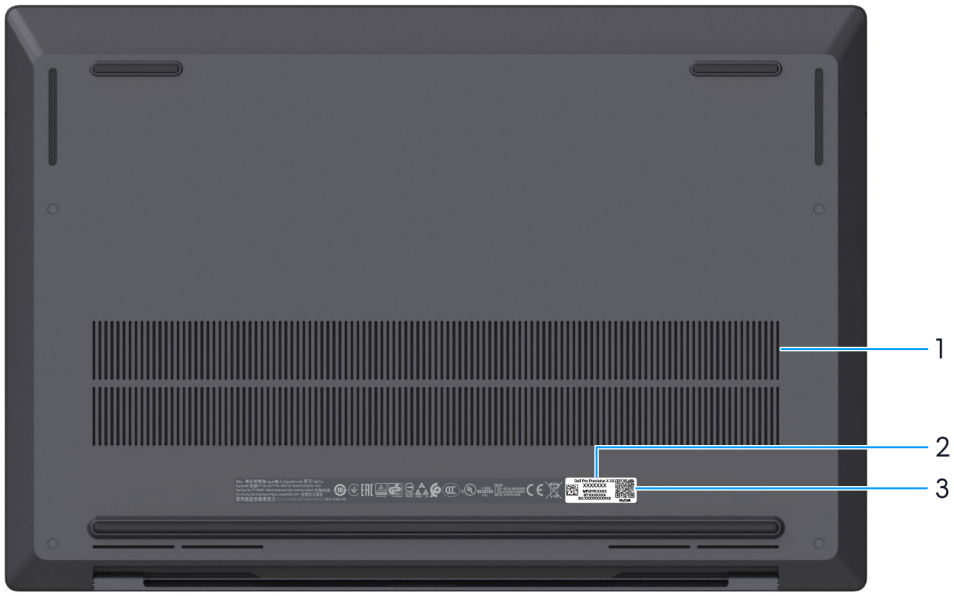

Figure 6. Bottom view

1. **Air vents**

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

   For more information, search in the Knowledge Base Resource at Dell Support Site.

2. **Service Tag/Express Service Code label**

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

3. **MyDell QR code**

   MyDell is your hub for content that is personalized for your Dell Pro Precision 7 16 PW716260, including videos, articles, manuals, and easy access to support.

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

The Service Tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information. The Express Service Code is a numeric version of the Service Tag.

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

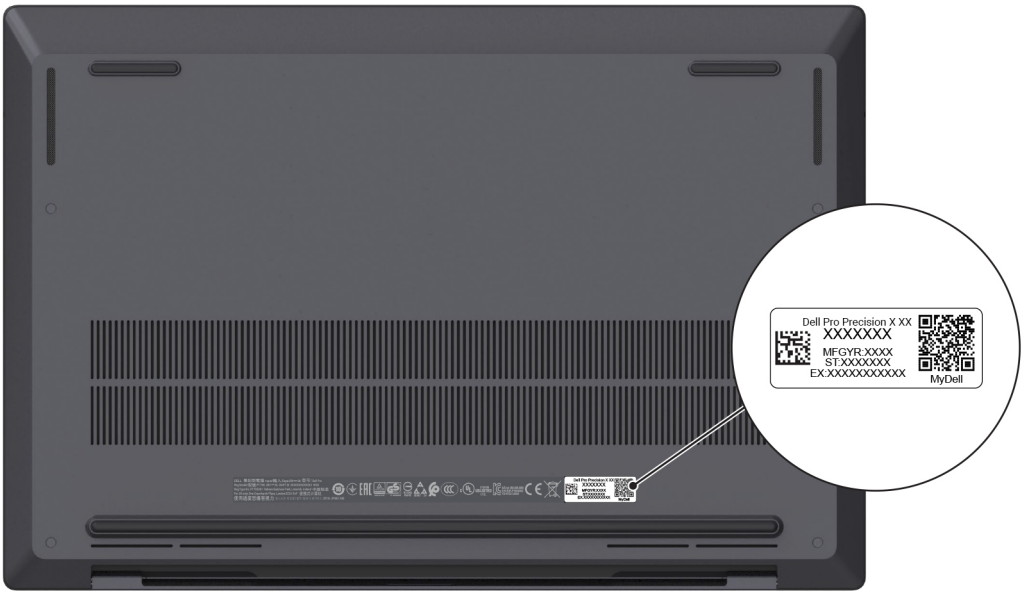

Figure 7. Service Tag/Express Service Code location

Battery-status light

The following table lists the battery-status light of your Dell Pro Precision 7 16 PW716260.

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.

2

Set up your Dell Pro Precision 7 16 PW716260

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.

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



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

2. Finish the operating system setup.

   For Ubuntu:

   Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at Dell Support Site.

   For Windows:

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

   - Connect to a network for Windows updates.

     NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

   - If connected to the Internet, sign-in with an existing Microsoft account or create an account. If not connected to the Internet, create an offline account.
   - On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu. This step is optional but recommended.

Table 2. Locate Dell apps

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

3

Specifications of Dell Pro Precision 7 16 PW716260

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell Pro Precision 7 16 PW716260.

Table 3. Dimensions and weight

Description	Values
Front height	• For computers shipped with WQUXGA OLED displays: 20.24 mm (0.80 in.) • For computers shipped with FHD displays: 20.85 mm (0.82 in.)
Rear height	• For computers shipped with WQUXGA OLED displays: 20.24 mm (0.80 in.) • For computers shipped with FHD displays: 20.85 mm (0.82 in.)
Width	353.80 mm (13.93 in.)
Depth	240.28 mm (9.46 in.)
Minimum Weight **NOTE:** The weight of your computer depends on the configuration that you ordered.	Minimum weight: 2.17 kg (4.78 lb)

Processor

The following table lists the details of the processors that are supported in your Dell Pro Precision 7 16 PW716260.

Table 4. Processor

Description	Option one	Option two	Option three	Option four
Processor type	Intel Core Ultra 7 356H	Intel Core Ultra 7 366H vPro	Intel Core Ultra X7 368H vPro	Intel Core Ultra 9 386H vPro
Processor wattage	50 W	50 W to 60 W	50 W	50 W to 60 W
Processor total core count	16	16	16	16
Performance-cores	4	4	4	4
Efficient-cores	8	8	8	8

Table 4. Processor (continued)

Description	Option one	Option two	Option three	Option four
Low Power Efficient-cores	4	4	4	4
Processor total thread counts **NOTE:** Intel Hyper-Threading Technology is only available on Performance-cores.	16	16	16	16
Processor speed	Up to 4.70 GHz	Up to 4.80 GHz	Up to 5.00 GHz	Up to 4.90 GHz
Performance-cores frequency				
Processor base frequency	1.90 GHz	2.00 GHz	2.00 GHz	2.10 GHz
Maximum turbo frequency	4.70 GHz	4.80 GHz	5.00 GHz	4.90 GHz
Efficient-cores frequency				
Processor base frequency	1.50 GHz	1.60 GHz	1.60 GHz	1.60 GHz
Maximum turbo frequency	3.50 GHz	3.60 GHz	3.80 GHz	3.70 GHz
Low Power Efficient-cores frequency				
Processor base frequency	1.50 GHz	1.60 GHz	1.60 GHz	1.60 GHz
Maximum turbo frequency	3.30 GHz	3.40 GHz	3.60 GHz	3.50 GHz
Processor cache	18 MB	18 MB	18 MB	18 MB
Integrated graphics	Intel Graphics	Intel Graphics	Intel Arc B390 or Intel Arc Pro B390	Intel Graphics
Neural Processing Units (NPU) Performance	Up to 50 TOPS	Up to 50 TOPS	Up to 50 TOPS	Up to 50 TOPS

Chipset

The following table lists the details of the chipset that is supported on your Dell Pro Precision 7 16 PW716260.

Table 5. Chipset

Description	Values
Chipset	Integrated (Intel Panther Lake-H)
Processor	• Intel Core Ultra 7 processor • Intel Core Ultra X7 vPro processor • Intel Core Ultra 7/9 vPro processors

Table 5. Chipset (continued)

Description	Values
DRAM bus width	128-bit
Flash EPROM	64 MB (SBIOS) + 32 MB (VBIOS)
PCIe bus	Up to Gen5

Operating system

Your Dell Pro Precision 7 16 PW716260 supports the following operating systems:

- Windows 11 Home
- Windows 11 Pro
- Ubuntu Linux 24.04, 64-bit

NOTE: Configurations without both an IR camera and fingerprint reader do not ship with Windows Hello Enhanced Sign-in Security (ESS), which is required to run Recall. See Windows 11 Copilot + PC Features.

Memory

The following table lists the memory specifications of your Dell Pro Precision 7 16 PW716260.

Table 6. Memory specifications

Description	Values
Memory slots	Onboard memory **NOTE:** The memory is integrated on the system board and is not upgradable.
Memory type	Dual-channel LPDDR5x
Memory speed	8533 MT/s
Maximum memory configuration	64 GB
Minimum memory configuration	16 GB
Memory configurations supported	• 16 GB, LPDDR5x, 8533 MT/s, dual-channel (onboard) • 32 GB, LPDDR5x, 8533 MT/s, dual-channel (onboard) • 64 GB, LPDDR5x, 8533 MT/s, dual-channel (onboard)

External ports and slots

The following table lists the external ports and slots on your Dell Pro Precision 7 16 PW716260.

Table 7. External ports and slots

Description	Values
USB ports	• Two USB Type-C Thunderbolt 5 (up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports • One USB Type-C Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port

Table 7. External ports and slots (continued)

Description	Values
Audio port	One global headset port
Video port(s)	• Two USB Type-C Thunderbolt 5 (up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports • One USB Type-C Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port • One HDMI 2.1 port
Media-card reader	One SD-card slot
Power-adapter port	USB Type-C
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Dell Pro Precision 7 16 PW716260.

Table 8. Internal slots

Description	Values
M.2	Two M.2 Key-M (2230 or 2280) slots for solid state drives **NOTE:** To learn more about the features of different types of M.2 cards, search Dell Support Site.

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your Dell Pro Precision 7 16 PW716260.

Table 9. Wireless module specifications

Description	Values
Model number	Intel Wi-Fi 7 BE211
Transfer rate	Up to 5 Gbps
Frequency bands supported	• 2.4 GHz • 5 GHz • 6 GHz **NOTE:** The 6 GHz frequency is only supported on computers that are installed with the Windows 11 operating system.
Wireless standards	• Wi-Fi 802.11 a/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)

Table 9. Wireless module specifications (continued)

Description	Values
	NOTE: Wi-Fi 7 standard is only supported on computers that are installed with Windows 11 operating system.
Encryption	• 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 6.0 wireless card **NOTE:** The wireless card is integrated on the system board.

Audio

The following table lists the audio specifications of your Dell Pro Precision 7 16 PW716260.

Table 10. Audio specifications

Description	Values
Audio controller	Cirrus Logic CS42L45
Stereo conversion	Supported
Internal audio interface	Soundwire interface
External audio interface	One global headset port
Number of speakers	Four (Two stereo tweeter speakers and two stereo woofer speakers)
Internal-speaker amplifier	Supported
External volume controls	Keyboard shortcut controls
Speaker output:	
Average	• 2 W + 2 W = 4 W (tweeter) • 2 W + 2 W = 4 W (woofer)
Peak	• 2.5 W + 2.5 W = 5 W (tweeter) • 2.5 W + 2.5 W = 5 W (woofer)
Microphone	Dual-array digital microphones

Storage

This section lists the storage options on your Dell Pro Precision 7 16 PW716260.

Your Dell Pro Precision 7 16 PW716260 supports up to two M.2 solid state drive slots:

- 512 GB SSD TLC M.2 2230 PCIe Gen4
- 1 TB SSD TLC M.2 2230 PCIe Gen4
- 512 GB SSD TLC M.2 2230 PCIe Gen5 SED Ready (Opal certified)
- 1 TB SSD TLC with DRAM M.2 2280 PCIe Gen5 SED Ready (Opal certified)

- 2 TB SSD TLC with DRAM M.2 2280 PCIe Gen5 SED Ready (Opal certified)
- 4 TB SSD TLC with DRAM M.2 2280 PCIe Gen5 SED Ready (Opal certified)

NOTE: The computer supports only PCIe NVMe SSDs. Installing a non-compliant SSD may result in missing backup files and could cause boot failures.

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2280 solid state drive, TLC, Self-Encrypting Ready	PCIe NVMe Gen5 x4	Up to 4 TB
M.2 2230 solid state drive, TLC **NOTE:** To replace your M.2 2280 with an M.2 2230 SSD, you must purchase the Dell SSD bracket kit to self-install the M.2 2230 SSD in the SSD slot.	PCIe NVMe Gen4 x4	Up to 1 TB

Media-card reader

The following table provides the specification of media cards that are supported by your Dell Pro Precision 7 16 PW716260.

Table 12. Media-card reader specifications

Description	Values
Media-card slot type	One SD-card slot
Media-cards supported	• 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 Precision 7 16 PW716260.

Table 13. Keyboard specifications

Description	Values
Keyboard type	Zero-lattice, spill-resistant keyboard with battery-saving mini-LED backlit technology and standard AI hotkey
Keyboard layout	QWERTY
Number of keys	• Arabic, Canada (Bilingual) (MUI), Chinese (Traditional), English International, English US, Greek, Hebrew, Korean, Thai: 79 keys • Hungarian, Belgian, Czech/Slovak (MUI), English UK, French (European), German, Italian, Nordic (MUI), Portuguese, Spanish (Castillian), Spanish (Latin America), Swiss/European, Turkish: 80 keys • Portuguese (Brazil): 81 keys • Japanese: 83 keys

Table 13. Keyboard specifications (continued)

Description	Values
Key pitch	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. **NOTE:** You can define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

Keyboard shortcuts

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**.

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	Microphone Mute
F5	Keyboard 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 15. Secondary behavior

Function key	Secondary behavior
fn + Ctrl	Open the application menu
fn + Esc	Toggle between multimedia and function key behavior
fn + PgUp	Scroll up the document or page
fn + PgDn	Scroll down the document or page
fn + Home	Move to the beginning of the document
fn + End	Move to the end of the document
Copilot	Launch Copilot in Windows **NOTE:** If Copilot in Windows is not available on your computer, the Copilot key launches Recall. If both Recall and Copilot in Windows are not available on your computer, the Copilot key launches Windows Search. For more information about Copilot in Windows and Recall, search in the Knowledge Base Resource at the Dell Support Site.

Camera

The following table lists the camera specifications of your Dell Pro Precision 7 16 PW716260.

Table 16. Camera specifications

Description	Values
Number of cameras	One
Camera type	8MP RGB and IR camera **NOTE:** Configurations without both an IR camera and fingerprint reader do not ship with Windows Hello Enhanced Sign-in Security (ESS), which is required to run Recall. See Windows 11 Copilot + PC Features.
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	8.29 megapixel
Video	2560 x 1440 at 30 fps
Infrared camera resolution:	
Video	640 x 400 at 30 fps
Diagonal viewing angle:	
Camera	88.10 degrees
Infrared camera	86.60 degrees

Touchpad

The following table lists the touchpad specifications of your Dell Pro Precision 7 16 PW716260.

Table 17. Touchpad specifications

Description	Values
Touchpad resolution	> 300 dpi
Touchpad dimensions:	
Horizontal	152 mm (5.98 in.)
Vertical	90 mm (3.54 in.)
Touchpad gestures	For more information about the touchpad gestures that are available on: • Windows, search Microsoft Support Site. • Ubuntu, search Ubuntu Support Site.

Power adapter

The following table lists the power adapter specifications of your Dell Pro Precision 7 16 PW716260.

Table 18. Power-adapter specifications

Description	Option one	Option two
Type	100 W AC adapter, USB Type-C **NOTE:** The 100 W AC adapter is only available for purchase with computers that are shipped with integrated graphics.	165 W AC adapter, USB Type-C
Power-adapter dimensions:		
Height	26.50 mm (1.04 in.)	22 mm (0.87 in.)
Width	60 mm (2.36 in.)	66 mm (2.60 in.)
Depth	122 mm (4.80 in.)	136 mm (5.35 in.)
Input voltage	100 VAC to 240 VAC	100 VAC to 240 VAC
Input frequency	50 Hz to 60 Hz	50 Hz to 60 Hz
Input current (maximum)	1.70 A	2.20 A
Output current (continuous)	• 20 V/5 A • 15 V/3 A • 9 V/3 A • 5 V/3 A	• 28 V/5.893 A • 20 V/6.5 A • 15 V/3 A • 9.0 V/3 A • 5.0 V/3 A
Rated output voltage	• 20 VDC • 15 VDC • 9 VDC • 5 VDC	• 5 V • 9 V • 15 V • 20 V • 28 V

Table 18. Power-adapter specifications (continued)

Description	Option one	Option two
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	–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 integrated graphics

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

The following table lists the power adapter requirements for your Dell Pro Precision 7 16 PW716260.

Table 19. Power adapter requirements

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 **NOTE:** A warning message may appear informing you about the use of a lower-powered adapter and slower charging speed.	Less than 100 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 the computer with a 96 Wh battery is connected to a power adapter that is rated 165 W and above to support this feature.

Power adapter requirements for computers that are 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 that you use meets the following requirements.

The following table lists the power adapter requirements for your Dell Pro Precision 7 16 PW716260.

Table 20. Power adapter requirements

Description	Value
Power that is required from a power adapter to achieve optimal performance	165 W
Power that charges the computer at a slower speed	Less than 165 W

Table 20. Power adapter requirements (continued)

Description	Value
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 **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 the computer with a 96 Wh battery is connected to a power adapter that is rated 165 W and above to support this feature.

Battery

The following table lists the battery specifications of your Dell Pro Precision 7 16 PW716260.

Table 21. Battery specifications

Description	Option one	Option two
Battery type	6-cell, 96 Wh, Lithium Ion, Standard Life, ExpressCharge	6-cell, 96 Wh, Lithium Ion, ExpressCharge, Long Cycle Life
Battery voltage	11.70 VDC	11.70 VDC
Battery weight (maximum)	0.351 kg (0.77 lb)	0.351 kg (0.77 lb)
Battery dimensions:		
Height	7.71 mm (0.30 in.)	7.71 mm (0.30 in.)
Width	294.90 mm (11.61 in.)	294.90 mm (11.61 in.)
Depth	77.50 mm (3.05 in.)	77.50 mm (3.05 in.)
Temperature range:		
Operating	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge: 0°C to 60°C (32°F to 140°F)	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge: 0°C to 60°C (32°F to 140°F)
Storage	–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.
Battery charging time (approximate) **NOTE:** You can control the charging time, duration, start and end time, and so on, using the Dell Power Manager application. For	• ExpressCharge: 2 hours • Standard charge: 3 hours	• ExpressCharge Boost: From 0% to 35% in almost 20 minutes • ExpressCharge: 2 hours • Standard charge: 3 hours

Table 21. Battery specifications (continued)

Description	Option one	Option two
more information about Dell Power Manager, search Dell Support Site.		
Coin-cell battery	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 Technologies recommends that you charge the battery regularly for optimal power consumption.

NOTE: To help preserve battery health, the battery may enter Storage Mode after an extended period of inactivity (approximately three weeks or longer). If the charge level becomes critically low during storage, the battery may disable certain functions as a protective measure. Connect the AC adapter to power on the computer and recharge the battery. For more information about Storage Mode, see Battery Storage Mode at Dell Support Site.

Power requirements

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

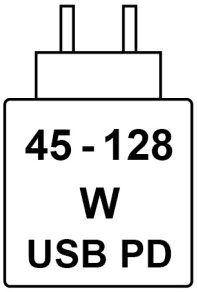

Figure 9. Pictogram for 96 Wh battery

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 128 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 Precision 7 16 PW716260.

Table 22. Display specifications

Description	Option one	Option two
Display type	16-inch, Wide Ultra Extended Graphics Array (WUXGA)	16-inch, Ultra High Definition Plus (WQUXGA tandem OLED)
Touch options	Not supported	Supported
Display-panel technology	Wide-Viewing Angle (WVA)	Tandem OLED
Display-panel dimensions (active area):		
Height	215.42 mm (8.48 in.)	215.28 mm (8.48 in.)

Table 22. Display specifications (continued)

Description	Option one	Option two
Width	344.68 mm (13.57 in.)	344.45 mm (13.57 in.)
Diagonal	406.46 mm (16.00 in.)	406.19 mm (15.99 in.)
Display-panel native resolution	1920 x 1200	3840 x 2400
Luminance (typical)	500 nits	500 nits
Megapixels	2.3	9.2
Color gamut	100% DCI-P3	100% DCI-P3
Pixels Per Inch (PPI)	142	283
Contrast ratio (minimum)	• Minimum: 1000:1 • Typical: 1500:1 (typical)	Typical: 1000000:1
Response time (maximum)	35 ms	1 ms
Refresh rate	30 Hz to 120 Hz, variable refresh rate (VRR)	20 Hz to 120 Hz, variable refresh rate (VRR)
Horizontal view angle	• Minimum: +/– 80 degrees • Typical: +/– 85 degrees	+/– 88 degrees
Vertical view angle	• Minimum: +/– 80 degrees • Typical: +/– 85 degrees	+/– 88 degrees
Pixel pitch	0.18 x 0.18	0.09 x 0.09
Power consumption (maximum)	5.20 W (at mosaic pattern, 120 Hz)	12.84 W (at SDR, 120 Hz)
Anti-glare vs glossy finish	Anti-glare	Anti-reflection

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Dell Pro Precision 7 16 PW716260.

Table 23. Fingerprint reader specifications

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

Sensors

The following table lists the sensors of your Dell Pro Precision 7 16 PW716260.

Table 24. Sensor

Sensor support
IR User Proximity Detection
Accelerometer (for positional sensing)
Adaptive Thermal Performance (laptop compared with desktop mode) requires Gyro/Accelerometer **NOTE:** This is for thermal only.
Hall Effect Sensor
Sensor Hub (integrated)

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell Pro Precision 7 16 PW716260.

Table 25. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel Graphics	• Two Thunderbolt 5 (up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports • One Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port • One HDMI 2.1 port	Shared system memory	• Intel Core Ultra 7 processor • Intel Core Ultra 7/9 vPro processors
Intel Arc B390	• Two Thunderbolt 5 (up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports • One Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port • One HDMI 2.1 port	Shared system memory	Intel Core Ultra X7 vPro processor
Intel Arc Pro B390	• Two Thunderbolt 5 (up to 120 Gbps) with Power Delivery and DisplayPort 2.1 ports • One Thunderbolt 4 (40 Gbps) with Power Delivery and DisplayPort 2.1 port • One HDMI 2.1 port	Shared system memory	Intel Core Ultra X7 vPro processor

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Dell Pro Precision 7 16 PW716260.

Table 26. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA RTX PRO 1000 Blackwell	8 GB	GDDR7
NVIDIA RTX PRO 2000 Blackwell	8 GB	GDDR7
NVIDIA RTX PRO 3000 Blackwell	12 GB	GDDR7

External display support

The following table lists the external display support for your Dell Pro Precision 7 16 PW716260.

Table 27. External display support

Graphics card	Supported external displays with laptop display enabled	Supported external displays with laptop display disabled
Intel Graphics	3	4
Intel Arc B390	3	4
Intel Arc Pro B390	3	4
NVIDIA RTX PRO 1000 Blackwell, 8 GB GDDR7	3	4
NVIDIA RTX PRO 2000 Blackwell, 8 GB GDDR7	3	4
NVIDIA RTX PRO 3000 Blackwell, 8 GB GDDR7	3	4

Hardware security

The following table lists the hardware security of your Dell Pro Precision 7 16 PW716260.

Table 28. Hardware security

Hardware security
FIPS 140-3 certification for TPM
TCG Certification for TPM (Trusted Computing Group)
TPM 2.0 discrete
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 Precision 7 16 PW716260.

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

Table 29. 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	–15.20 m to 3048 m (–49.87 ft to 10,000 ft)	–15.20 m to 10,668 m (–49.87 ft to 35,000 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 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.
- Take an extended break for 20 minutes every two hours.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.

Dell support policy

For information about Dell support policy, search Dell Support Site.

4

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 30. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	Dell Site
Contact Support	In Windows search, type `Contact Support`, 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	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 Contact Support at 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.

5

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 31. Revision history

Revision	Date	Description
A01	September 2026	Updated the following sections • Camera • Operating system • Storage • Display
A00	March 2026	Original publish date.