

XPS 17 9730

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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Set up your XPS 17 9730

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

1. 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 Windows setup.

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

Table 1. Locate Dell apps (continued)

Resources	Description
	<p>Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</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 www.dell.com/serviceabilitytools. Click SupportAssist and then, click SupportAssist for Home PCs.</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 on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support.</p>
	<p>Dell Digital Delivery</p> <p>Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support.</p>

Views of XPS 17 9730

Right



1. Thunderbolt 4 Type C ports with DisplayPort Alt Mode and Power Delivery (2)

Supports USB 4, DisplayPort 1.4, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V power output that enables faster charging.

NOTE: You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

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

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device. Connect the USB Type-C power adapter to only one of the four USB Type-C ports.

For laptops with NVIDIA GeForce RTX 4050, 4060, 4070:

- 3 USB Type-C ports with DisplayPort support up to 4K/60 Hz when laptop display is on
- 1 USB Type-C port with DisplayPort support up to 8K/60 Hz when laptop display is on

For laptops with NVIDIA GeForce RTX 4080:

- 4 USB Type-C ports with DisplayPort support up to 4K/60 Hz when laptop display is on
- 2 USB Type-C ports with DisplayPort support up to 8K/60 Hz when laptop display is on

2. 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)

3. Universal audio jack

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

Left



1. Security-cable slot

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

2. Thunderbolt 4 Type C ports with DisplayPort Alt Mode and Power Delivery (2)

Supports USB 4, DisplayPort 1.4, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V power output that enables faster charging.

NOTE: You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

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

NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device. Connect the USB Type-C power adapter to only one of the four USB Type-C ports.

For laptops with NVIDIA GeForce RTX 4050, 4060, 4070:

- 3 USB Type-C ports with DisplayPort support up to 4K/60 Hz when laptop display is on
- 1 USB Type-C port with DisplayPort support up to 8K/60 Hz when laptop display is on

For laptops with NVIDIA GeForce RTX 4080:

- 4 USB Type-C ports with DisplayPort support up to 4K/60 Hz when laptop display is on
- 2 USB Type-C ports with DisplayPort support up to 8K/60 Hz when laptop display is on

Top



1. Microphones (2)

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

2. Power button with 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 10 seconds to force shut-down the computer.

Place your finger on the power button to log in with the fingerprint reader.

i **NOTE:** You can customize power-button behavior in Windows. For more information on how to customize the power-button behavior, search in the Microsoft knowledge base at support.microsoft.com.

3. Right speaker

Provides audio output.

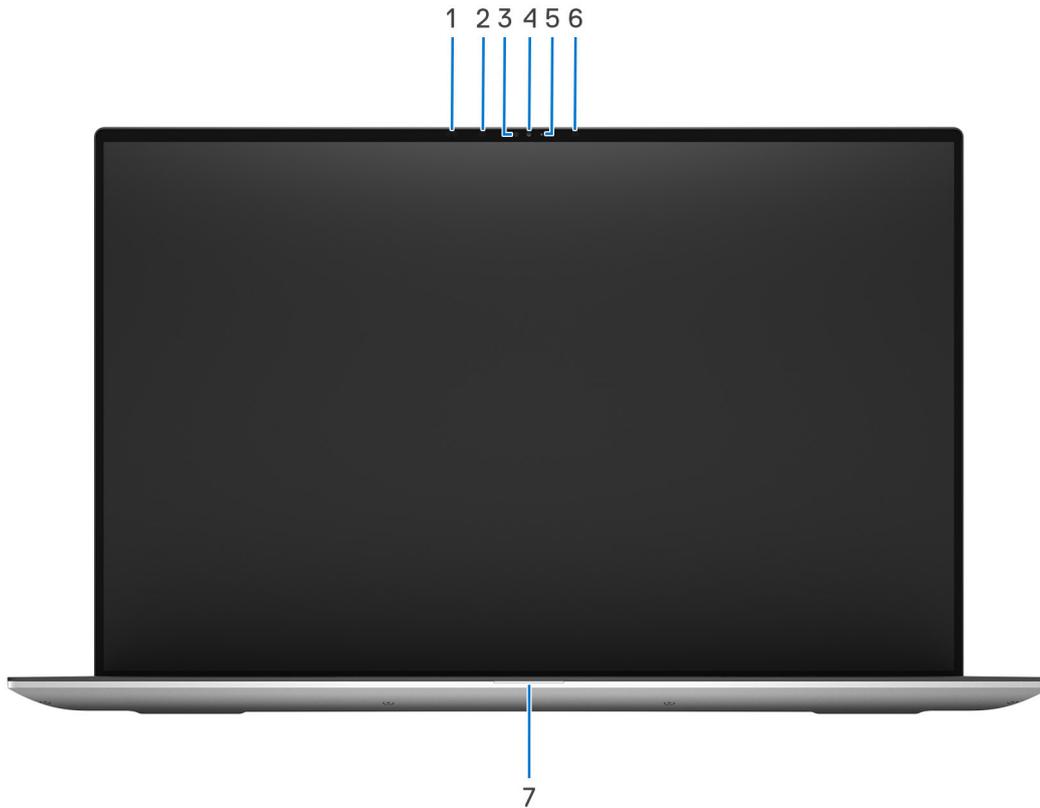
4. Touchpad

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

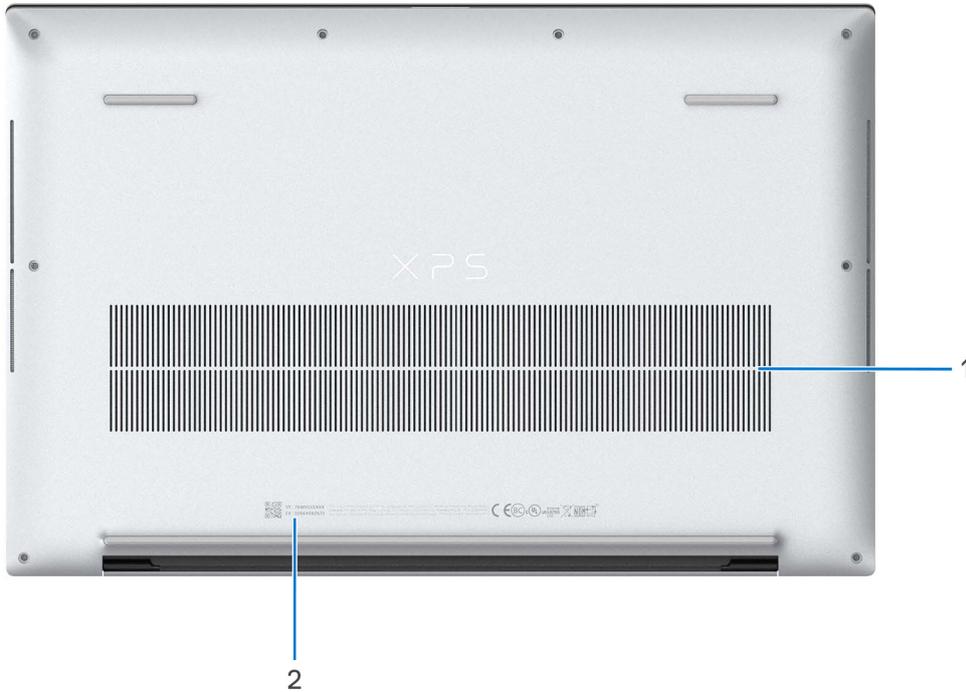
Provides audio output.

Display



- 1. Infrared emitter**
Emits infrared light, which enables the infrared camera to sense and track motion.
- 2. Infrared camera**
Enhances security when paired with Windows Hello face authentication.
- 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.
- 6. Infrared emitter**
Emits infrared light, which enables the infrared camera to sense and track motion.
- 7. Power-status light**
Indicates the power state of the computer.
White light—Power adapter is connected and the battery is fully charged.

Bottom



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 build-up of dust and dirt. For more information about cleaning air vents, search for articles in Knowledge Base Resource at www.dell.com/support.

2. Service Tag and regulatory labels

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 regulatory label contains regulatory information of your computer.

Specifications of XPS 17 9730

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 17 9730.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	8.67 mm (0.34 in.)
Rear height	13.15 mm (0.51 in.)
Width	374.48 mm (14.74 in.)
Depth	248.08 mm (9.76 in.)
Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	<ul style="list-style-type: none"> • Minimum: 2.31 kg (5.10 lb) • Maximum: 2.57 kg (5.67 lb)

Processor

The following table lists the details of the processors supported by your XPS 17 9730.

Table 3. Processor

Description	Option one	Option two
Processor type	13 th Generation Intel Core i7-13700H	13 th Generation Intel Core i9-13900H
Processor wattage	45 W	45 W
Processor total core count	14	14
Performance-cores	6	6
Efficient-cores	8	8
Processor total thread counts  NOTE: Intel® Hyper-Threading Technology is only available on Performance-cores.	20	20
Processor speed	2.40 Ghz to 5.00 GHz	2.60 GHz to 5.40 GHz
Performance-cores frequency		
Processor base frequency	2.4 Ghz	2.6 Ghz
Maximum turbo frequency	5.0 Ghz	5.4 Ghz

Table 3. Processor (continued)

Description	Option one	Option two
Efficient-cores frequency		
Processor base frequency	1.8 Ghz	1.9 Ghz
Maximum turbo frequency	3.7 Ghz	4.1 Ghz
Thermal Mode/Thermal Design Power (TDP)		
Cool	30 W	30 W
Optimized	45 W	45 W
Quiet	30 W	30 W
Ultra Performance	55 W	55 W
	 NOTE: Processor clock speeds and thermal design power differ according to the thermal mode selected in the My Dell app on your computer.	
Processor cache	24 MB	24 MB
Integrated graphics	Intel Iris X ^e Graphics  NOTE: Requires 128-bit (2 channel) memory populated	Intel Iris X ^e Graphics  NOTE: Requires 128-bit (2 channel) memory populated

Chipset

The following table lists the details of the chipset supported by your XPS 17 9730.

Table 4. Chipset

Description	Values
Chipset	Intel Raptor Lake H Series
Processor	13 th Generation Intel Core i7/i9
DRAM bus width	128-bit (per 64-bit channel)
Flash EPROM	64 MB
PCIe bus	Up to Gen 4.0

Operating system

Your XPS 17 9730 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit

Memory

The following table lists the memory specifications of your XPS 17 9730.

Table 5. Memory specifications

Description	Values
Memory slots	Two-SODIMM slots
Memory type	Dual-channel DDR5
Memory speed	4800 MT/s
Maximum memory configuration	64 GB
Minimum memory configuration	16 GB
Memory size per slot	16 GB, 32 GB, 64 GB
Memory configurations supported	<ul style="list-style-type: none">• 16 GB, 2 x 8 GB, DDR5, 4800 MT/s, Non-ECC, dual channel• 32 GB, 2 x 16 GB, DDR5, 4800 MT/s, Non-ECC, dual channel• 64 GB, 2 x 32 GB, DDR5, 4800 MT/s, Non-ECC, dual channel

External ports

The following table lists the external ports of your XPS 17 9730.

Table 6. External ports

Description	Values
Network port	Not supported
USB ports	Four Thunderbolt 4 (USB Type-C) with DisplayPort Alt Mode and Power Delivery
Audio port	One universal audio jack
Video port	Via Thunderbolt 4 (USB Type-C) ports
Media-card reader	One SD 4.0 card slot
Power-adaptor port	USB Type-C
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your XPS 17 9730.

Table 7. Internal slots

Description	Values
M.2	Two M.2 2280 slots for solid-state drives

Table 7. Internal slots

Description	Values
	 NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support .

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your XPS 17 9730.

Table 8. Wireless module specifications

Description	Values
Model number	Intel Wi-Fi 6 AX211
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 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 6 (Wi-Fi 802.11ax)
Encryption	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth wireless card	Bluetooth 5.3
	 NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.

Audio

The following table lists the audio specifications of your XPS 17 9730.

Table 9. Audio specifications

Description	Values
Audio controller	Realtek ALC711-CG
Stereo conversion	Supported
Internal audio interface	SoundWire
External audio interface	Universal audio jack
Number of speakers	<ul style="list-style-type: none"> • 2 x Woofers • 2 x Tweeters
Internal-speaker amplifier	Realtek ALC1319D
External volume controls	Keyboard shortcut controls

Table 9. Audio specifications (continued)

Description		Values
Speaker output:		
	Average speaker output	<ul style="list-style-type: none"> • Woofer: 2 x 3 W • Tweeters: 2 x 2 W
	Peak speaker output	<ul style="list-style-type: none"> • Woofer: 2 x 3.5 W • Tweeters: 2 x 2.5 W
Subwoofer output		Not supported
Microphone		Digital-array microphones

Storage

This section lists the storage options on your XPS 17 9730.

Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	512 GB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	1 TB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	2 TB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	4 TB

Media-card reader

The following table lists the media cards supported by your XPS 17 9730.

Table 11. Media-card reader specifications

Description	Values
Media-card type	One SD 4.0 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 supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Keyboard

The following table lists the keyboard specifications of your XPS 17 9730.

Table 12. Keyboard specifications

Description	Values
Keyboard type	Backlit
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> • United States and Canada: 79 keys • United Kingdom: 80 keys • Japan: 83 keys
Keyboard size	X=19.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	<p>Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.</p> <p>NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.</p>

Camera

The following table lists the camera specifications of your XPS 17 9730.

Table 13. Camera specifications

Description	Values
Number of cameras	Two
Camera type	HD RGB+IR dual sensors camera
Camera location	Front camera
Camera sensor type	CMOS sensor technology
Camera resolution:	
Still image	0.92 megapixel
Video	1280 x 720 (HD) at 30 fps
Infrared camera resolution:	
Still image	0.23 megapixel
Video	640 x 360 at 15 fps
Diagonal viewing angle:	
Camera	78.00 degrees

Table 13. Camera specifications (continued)

Description		Values
	Infrared camera	77.80 degrees

Touchpad

The following table lists the touchpad specifications of your XPS 17 9730.

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	4655
	Vertical	2731
Touchpad dimensions:		
	Horizontal	149.90 mm (5.90 in.)
	Vertical	89.00 mm (3.50 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, search for <i>Touchpad gestures in Windows</i> in the Microsoft knowledge base at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your XPS 17 9730.

Table 15. Power adapter specifications

Description		Values
Type		130 W USB Type-C
Power-adapter dimensions:		
	Height	22 mm (0.87 in.)
	Width	66 mm (2.60 in.)
	Depth	143 mm (5.63 in.)
Input voltage		100 VAC to 240 VAC
Input frequency		50 to 60 Hz
Input current (maximum)		1.80 A
Output current (continuous)		<ul style="list-style-type: none"> • 20 V/6.5 A • 5.0 V/1 A
Rated output voltage		<ul style="list-style-type: none"> • 20 VDC • 5 VDC
Temperature range:		

Table 15. 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.		

Battery

The following table lists the battery specifications of your XPS 17 9730.

Table 16. Battery specifications

Description		Values
	Battery type	6-cell, 97 Wh "smart" lithium-ion, ExpressCharge
	Battery voltage	11.40 VDC
	Battery weight (maximum)	0.385 kg (0.85 lb)
Battery dimensions:		
	Height	8.45 mm (0.33 in.)
	Width	69.70 mm (2.74 in.)
	Depth	330.65 mm (13.02 in.)
Temperature range:		
	Operating	<ul style="list-style-type: none"> • 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)
	Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
	Battery charging time (approximate)	<ul style="list-style-type: none"> • Standard charge, 0°C to 50°C (32°F to 122°F): 4 hours • ExpressCharge, 0°C to 15°C (32°F to 59°F): 4 hours • ExpressCharge, 16°C to 45°C (60.80°F to 113°F): 2 hours • ExpressCharge, 46°C to 50°C (114.80°F to 122°F): 3 hours  NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information about <i>Dell Power Manager</i> , search in the Knowledge Base Resource at www.dell.com .
	Coin-cell battery	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.		

Display

The following table lists the display specifications of your XPS 17 9730.

Table 17. Display specifications

Description	Option one	Option two
Display type	Full High Definition Plus (FHD+)	Ultra High Definition Plus (UHD+)
Touch options	No	Yes, 10 finger touch
Display-panel technology	Wide Viewing Angle (WVA) with Low Blue Light	Wide Viewing Angle (WVA) with Low Blue Light
Display-panel dimensions (active area):		
Height	366.34 mm (14.42 in.)	366.34 mm (14.42 in.)
Width	228.96 mm (9.01 in.)	228.96 mm (9.01 in.)
Diagonal	432.00 mm (17 in.)	432.00 mm (17 in.)
Display-panel native resolution	1920 x 1200	3840 x 2400
Luminance (typical)	500 nits	500 nits
Megapixels	2.3	9.2
Color gamut	sRGB 100% min	Adobe 100% min; DCI-P3 99% typ, 95% min
Pixels Per Inch (PPI)	133	266
Contrast ratio (min.)	1650:1 typical	1600:1 typical
Response time (max.)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	+/- 85 degrees typical	+/- 85 degrees typical
Vertical view angle	+/- 85 degrees typical	+/- 85 degrees typical
Pixel pitch	0.1908 mm	0.0954 mm
Power consumption (maximum)	5.06 W	13.73 W
Anti-glare vs glossy finish	Anti-glare	Anti-reflective

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 17 9730.

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

Table 18. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	500 dpi
Fingerprint-reader sensor pixel size	108 x 88

Sensor

The following table lists the sensor of your XPS 17 9730.

Table 19. Sensor

Sensor support
Accelerometer (ST Micro LIS2DW12TR): on the base (system board)
ALS for Panel Backlight Control

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your XPS 17 9730.

Table 20. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA GeForce RTX 4050	6 GB	GDDR6
NVIDIA GeForce RTX 4060	8 GB	GDDR6
NVIDIA GeForce RTX 4070	8 GB	GDDR6
NVIDIA GeForce RTX 4080	12 GB	GDDR6

Multiple display support matrix

The following table lists the multiple display support matrix for your XPS 17 9730.

Table 21. 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
NVIDIA GeForce RTX 4050, 4060, 4070	Not supported	<ul style="list-style-type: none"> Three connected displays with DisplayPort support up to 4K/ 60 Hz One connected display with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> 1 DisplayPort cable support up to 8K/ 30 Hz, and 2 DisplayPort cable support up to 8K/ 60Hz 	<ul style="list-style-type: none"> Four connected displays with DisplayPort support up to 4K/ 60 Hz Two connected displays with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> 1 DisplayPort cable support up to 8K/ 30 Hz, and 2 DisplayPort cable support up to 8K/ 60 Hz.

Table 21. Multiple display support matrix (continued)

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
NVIDIA GeForce RTX 4080	OFF	<ul style="list-style-type: none"> • Three connected displays with DisplayPort support up to 4K/ 60 Hz • One connected display with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> ○ 1 DisplayPort cable support up to 8K/ 30 Hz, and ○ 2 DisplayPort cable support up to 8K/ 60 Hz 	<ul style="list-style-type: none"> • Four connected displays with DisplayPort support up to 4K/ 60 Hz • Two connected displays with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> ○ 1 DisplayPort cable support up to 8K/ 30 Hz ○ 2 DisplayPort cable support up to 8K/ 60 Hz
	ON	<ul style="list-style-type: none"> • Four connected displays with DisplayPort support up to 4K/ 60 Hz • Two connected displays with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> ○ 1 DisplayPort cable support up to 4K/ 60 Hz, and ○ 2 DisplayPort cable support up to 8K/ 60 Hz 	<ul style="list-style-type: none"> • Four connected displays with DisplayPort support up to 4K/ 60 Hz • Two connected displays with DisplayPort support up to 8K/ 60 Hz: <ul style="list-style-type: none"> ○ 1 DisplayPort cable support up to 4K/ 60 Hz, and ○ 2 DisplayPort cable support up to 8K/ 60 Hz

Hardware security

The following table lists the hardware security of your XPS 17 9730.

Table 22. Hardware security

Hardware security
Trusted Platform Module (TPM) 2.0 FIPS 140-2 Certified
Chassis Intrusion Detection
1 wedge-shaped lock slot

Operating and storage environment

This table lists the operating and storage specifications of your XPS 17 9730.

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

Table 23. 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†

Table 23. Computer environment (continued)

Description	Operating	Storage
Altitude range	-15.2 m to 3048 m (4.64 ft to 5518.4 ft)	-15.2 m to 10668 m (4.64 ft to 19234.4 ft)
 CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

Keyboard function keys

The **F1-F12** keys at the top of the keyboard are function keys. By default, these keys are used to perform specific functions defined by the software application in use.

You can run the secondary tasks that are indicated by the symbols on the function keys by pressing the function key with **Fn**, for example, **Fn** and **F1**. See the table below for the list of secondary tasks and the key combinations to run them.

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for tasks remain the same, regardless of the keyboard language.

NOTE: You can define the primary behavior of function keys in the **Function Key Behavior** menu of the BIOS setup program.

Table 24. Secondary tasks of keyboard keys

Key combination for task	What the task does
Fn and F1	Mutes audio
Fn and F2	Decreases audio volume
Fn and F3	Increases audio volume
Fn and F4	Plays or pauses media file
Fn and F5	Increases or decreases brightness of keyboard backlight. Hold down the Fn key and press F5 repeatedly to select between Off, 50% brightness, and 100% brightness.
Fn and F6	Decreases display brightness
Fn and F7	Increases display brightness
Fn and F8	Switches to an external display
Fn and F10	Prints screen (Screen capture)
Fn and F11	Home (Moves cursor to beginning of the line)
Fn and F12	End (Moves cursor to the end of the line)
Fn and Esc	Locks the Fn key on and off
Fn and Ctrl	Opens the menu of the software application

Keys with alternate characters

There are other keys on your keyboard with alternate characters. The symbols that are shown at the bottom of these keys are the main characters that are displayed when the key is pressed; the symbols that are shown at the top of these keys are displayed when the key is pressed with the shift key. For example, if you press **2**, **2** is displayed; if you press **Shift** and **2**, **@** is displayed.

Low blue light

 **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 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 25. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type <code>Contact Support</code> , and press Enter.
Online help for operating system	www.dell.com/support/windows
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by 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 www.dell.com/support . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
Dell knowledge base articles for a variety of computer concerns	<ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 3. In the Search field on the Knowledge Base 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 www.dell.com/contactdell.

 **NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

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