XPS 15 9530

Setup and Specifications



Notes, cautions, and warnings

(i) 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.

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

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Set up your XPS 15 9530

- i 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: You can charge your computer by connecting the power adapter to one of the Thunderbolt 4 (USB4) Type-C ports or to the USB 3.2 Gen 2 Type-C port located on your computer.



- 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:

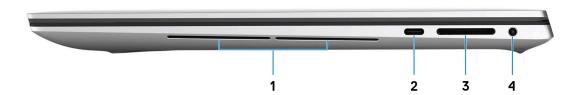
- Connect to a network for Windows updates.
 - NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an
 offline account.
- 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
Dell	My Dell 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.
	SupportAssist 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 SupportAssist for Home PCs User's Guide at www.dell.com/serviceabilitytools. Click SupportAssist and then, click SupportAssist for Home PCs. i NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
L	Dell Update 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.
	Dell Digital Delivery 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.

Views of XPS 15 9530

Right



1. Right woofer

Enhances low-frequency audio output.

2. USB 3.2 Gen 2 (Type-C) port with DisplayPort and Power Delivery

Connect peripherals such as external storage devices, printers, and external displays. Provides data transfer rate of up to 10 Gbps for USB 3.2 Gen 2x1 port.

Supports DisplayPort and also enables you to connect an external display using a display adapter.

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

Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/1.50 A power output

3. SD-card slot

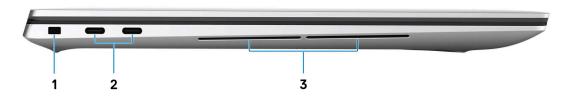
Reads from and writes to the SD card. The computer supports the following card types:

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

4. Headset port

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

Left



1. Security-cable slot (wedge-shaped)

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

2. Thunderbolt 4 (USB4) Type-C port with Power Delivery (2)

Supports USB4 Gen 3x2, DisplayPort 1.4a and Thunderbolt 4. Enables you to connect to an external display using a display adapter. Provides data transfer rates up to 40 Gbps for USB4 Gen 3x2 Thunderbolt 4. Supports Power Delivery that enables two-way power supply between devices. Provides up to 5 V/3 A power output that enables faster charging.

- (i) NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.
- i) NOTE: A 40 Gbps-certified cable is required to achieve the maximum performance of 40 Gbps.
- i) NOTE: Thunderbolt 4 supports two 4K displays or one 8K display.
- i) NOTE: USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.
- NOTE: You can connect a Dell docking station to the Thunderbolt 4 ports. For more information, see the knowledge base article 000124295 at www.dell.com/support.

3. Left woofer

Enhances low-frequency audio output.

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.

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

- i NOTE: You can customize the power-button behavior in Windows.
- NOTE: In Windows, Windows Hello supports a defined number of fingerprints per account. For more information about configuring your fingerprint reader with Windows Hello, search in the Knowledge Base Resource at www.dell.com/support. support.

3. Right speaker

Provides audio output.

4. Right-click area

Press to right-click.

5. Left-click area

Press to left-click.

6. Touchpad

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

7. Left speaker

Provides audio output.

Display



1. Infrared emitter

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

2. Ambient-light sensor

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

3. RGB-infrared camera

This combined camera supports both infrared Windows Hello facial recognition and standard RGB imaging for photos and videos.

4. Camera-status light

Turns on when the camera is in use.

5. Infrared emitter

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

6. Battery-status light

Indicates the battery-charge status.

Solid white—Power adapter is connected and the battery has more than 5% charge.

Amber—Computer is running on battery and the battery has less than 5% charge.

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

Bottom



1. 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.

Specifications of XPS 15 9530

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 15 9530.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	18 mm (0.71 in.)
Rear height	11.65 mm (0.46 in.)
Width	344.72 mm (13.57 in.)
Depth	230.14 mm (9.06 in.)
Weight i NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	 1.92 kg (4.22 lb) for non-touchscreen display 1.96 kg (4.31 lb) for OLED touchscreen display

Processor

The following table lists the details of the processors supported by your XPS 15 9530.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	13 th Generation Intel Core i5-13500H	13 th Generation Intel Core i7-13700H	13 th Generation Intel Core i9-13900H
Processor wattage	45 W	45 W	45 W
Processor core count	12	14	14
Processor thread count	16	20	20
Processor speed	Up to 4.70 GHz	Up to 5 GHz	Up to 5.40 GHz
Processor cache	18 MB	24 MB	24 MB
Discrete graphics	 Intel Arc A370M Graphics NVIDIA GeForce RTX 4050, 6 GB GDDR6 	 Intel Arc A370M Graphics NVIDIA GeForce RTX 4050, 6 GB GDDR6 NVIDIA GeForce RTX 4060, 8 GB GDDR6 NVIDIA GeForce RTX 4070, 8 GB GDDR6 	 NVIDIA GeForce RTX 4060, 8 GB GDDR6 NVIDIA GeForce RTX 4070, 8 GB GDDR6

Chipset

The following table lists the details of the chipset supported by your XPS 15 9530.

Table 4. Chipset

Description	Values
Chipset	Intel 600 Series
Processor	13 th Generation Intel Core i5/i7/i9
DRAM bus width	64-bit
Flash EPROM	64 MB
PCle bus	Up to PCle Gen 4

Operating system

Your XPS 15 9530 supports the following operating systems:

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

Memory

The following table lists the memory specifications of your XPS 15 9530.

Table 5. Memory specifications

Description	Values	
Memory slots	Two-SODIMM slots	
Memory type	DDR5	
Memory speed	4800 MHz	
Maximum memory configuration	64 GB	
Minimum memory configuration	16 GB	
Memory size per slot	8 GB, 16 GB, 32 GB	
Memory configurations supported	 16 GB, 2 x 8 GB, DDR5, 4800 MHz, dual-channel 32 GB, 2 x 16 GB, DDR5, 4800 MHz, dual-channel 64 GB, 2 x 32 GB, DDR5, 4800 MHz, dual-channel 	

External ports

The following table lists the external ports on your XPS 15 9530.

Table 6. External ports

Description	Values
USB ports	 One USB 3.2 Gen 2 (Type-C) port with DisplayPort and Power Delivery Two Thunderbolt 4 USB Type-C ports with Power Delivery NOTE: To charge the computer, connect the USB Type-C power adapter to the primary Thunderbolt 4 port.
Audio port	One headset (headphone and microphone combo) port
Video port/ports	USB Type-C port with DisplayPort Alt mode and Thunderbolt 4
Media-card reader	One SD-card slot
Power-adapter port	DC-IN through one of the three USB Type-C ports
Security-cable slot	1 wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your XPS 15 9530.

Table 7. Internal slots

Description	Values
M.2	Two M.2 2280 slots for solid-state drive (i) NOTE: To learn more about the features of different types of M.2 cards, search in the Knowledge Base Resource at www.dell.com/support.

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module that is supported on your XPS 15 9530.

Table 8. Wireless module specifications

Description	Values
Model number	Intel AX211
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	 WiFi 802.11a/b/g Wi-Fi 4 (WiFi 802.11n) Wi-Fi 5 (WiFi 802.11ac) Wi-Fi 6 (WiFi 802.11ax)

Table 8. Wireless module specifications (continued)

Description	Values
Encryption	64-bit/128-bit WEPAES-CCMPTKIP
Bluetooth wireless card	Bluetooth 5.3
	(i) 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 15 9530.

Table 9. Audio specifications

Description		Values
Audio controller		Realtek ALC3281
Stereo conversion		Supported
Internal audio interface	9	High definition audio interface
External audio interfac	е	Universal audio jack
Number of speakers		Two
Internal-speaker amplif	fier	Supported
External volume contro	ols	Keyboard shortcut controls
Speaker output:		
	Average speaker output	Tweeters (2 W x 2); Woofers (3 W x 2)
	Peak speaker output	2.5 W x 2 + 3.5 W x 2 = 12 W
Subwoofer output		Supported
Microphone		Digital-array microphones

Storage

This section lists the storage options on your XPS 15 9530.

Your XPS 15 9530 supports two M.2 2280 solid-state drives.

Table 10. Storage specifications

Storage type	Interface type	Capacity
M.2 2280 solid-state drive	PCle Gen4 x4 NVMe, up to 64 Gbps	Up to 8 TB

Media-card reader

The following table lists the media cards supported by your XPS 15 9530.

Table 11. Media-card reader specifications

ot
tal (SD) tal High Capacity (SDHC) tal Extended Capacity (SDXC)

(i) **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 15 9530.

Table 12. Keyboard specifications

Description	Values	
Keyboard type	Standard backlit keyboard	
Keyboard layout	QWERTY	
Number of keys	United States and Canada: 79 keysUnited Kingdom: 80 keysJapan: 83 keys	
Keyboard size	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. (i) NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program. For more information, see keyboard shortcuts Keyboard shortcuts.	

Camera

The following table lists the camera specifications of your XPS 15 9530.

Table 13. Camera specifications

Description	Values
Number of cameras	One

Table 13. Camera specifications (continued)

Description		Values	
Cam	era type	HD RGB+IR camera	
Cam	era location	Front	
Cam	era sensor type	CMOS-sensor technology	
Cam	era resolution:		
	Still image	0.90 megapixel	
	Video	1280 x 720 (HD) at 30 fps	
Infrared camera resolution:			
	Still image	0.20 megapixel	
	Video	576 x 360 (VGA) at 30 fps	
Diago	onal viewing angle:		
	Camera	78.50 degrees	
	Infrared camera	78.50 degrees	

Touchpad

The following table lists the touchpad specifications of your XPS 15 9530.

Table 14. Touchpad specifications

Description		Values	
Touchpad resolution:			
Horizontal		1770	
Vertical		1039	
Touchpad dimensions:			
Horizontal		150.90 mm (5.94 in.)	
Vertical		90 mm (3.54 in.)	
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com.	

Power adapter

The following table lists the power adapter specifications of your XPS 15 9530.

Table 15. Power adapter specifications

Description	Values
Туре	130 W USB Type-C

Table 15. Power adapter specifications (continued)

Description	Values	
Input voltage	100 VAC-240 VAC	
Input frequency	50 Hz-60 Hz	
Input current (maximum)	1.80 A	
Output current (continuous)	6.50 A	
Rated output voltage	20 VDC	
Temperature range:		
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 15 9530.

Table 16. Battery specifications

Description	Values	
Battery type	6-cell, 86 Wh "smart" lithium-ion	
Battery voltage	11.40 VDC	
Battery weight (maximum)	0.34 kg (0.75 lb)	
Battery dimensions:		
Height	77.70 mm (3.06 in.)	
Width	295.20 mm (11.62 in.)	
Depth	7.56 mm (0.30 in.)	
Temperature range:		
Operating	0°C to 70°C (32°F to 158°F)	
Storage	-20°C to 65°C (-4°F to 149°F)	
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	
Battery charging time (approximate) (i) 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 www.dell.com/support.	2 hours (Express charge), 3 hours (Standard charge) when the computer is off.	
Coin-cell battery	Not supported	

Table 16. Battery specifications (continued)

Description	Values
A CAUTION C I	Per

CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.

CAUTION: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.

Display

The following table lists the display specifications of your XPS 15 9530.

Table 17. Display specifications

Description		Option one	Option two
Display type		Full High Definition (FHD+)	OLED 3.5K Touch
Touch options		No	Touch support, with 10 touch points
Display-pan	el technology	Wide Viewing Angle (WVA), Eyesafe	Wide Viewing Angle (WVA), Eyesafe
Display-pan	el dimensions (active area):		
	Height	210.24 mm (8.28 in.)	210.21 mm (8.28 in.)
	Width	336.38 mm (13.24 in.)	336.34 mm (13.24 in.)
	Diagonal	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)
Display-pan	el native resolution	1920 x 1200	3456 x 2160
Luminance ((typical)	500 nits	400 nits
Megapixels		2.30	7.46
Color gamut		100% sRGB	DCI-P3 100% (typical)
Pixels Per Ir	nch (PPI)	145	261
Contrast ratio (min.)		1650:1 (typical)	SDR - 80,000:1 (typical)HDR - 124,000:1 (typical)
Response time (max.)		35 ms	2 ms
Refresh rate		60 Hz	60 Hz
Horizontal view angle		85 +/- degrees	88 +/- degrees
Vertical view angle		85 +/- degrees	88 +/- degrees
Pixel pitch		0.18 mm	0.10 mm
Power cons	umption (maximum)	4.41 W	8.74 W
Anti-glare vs glossy finish		Anti-glare	Anti-reflective

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 15 9530.

i 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

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your XPS 15 9530.

Table 19. GPU—Discrete

Controller	Memory size	Memory type
Intel Arc A370M Graphics	4 GB	GDDR6
NVIDIA GeForce RTX 4050	6 GB	GDDR6
NVIDIA GeForce RTX 4060	8 GB	GDDR6
NVIDIA GeForce RTX 4070	8 GB	GDDR6

Operating and storage environment

This table lists the operating and storage specifications of your XPS 15 9530.

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

Table 20. 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)	140 G†	160 G†
Altitude range	-15.20 m to 3048 m (-49.87 ft to 10000 ft)	-15.20 m to 10668 m (-49.87 ft to 35000 ft)

CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.

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

 $[\]ensuremath{\dagger}$ Measured using a 2 ms half-sine pulse when the hard drive is in use.

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.

The ComfortView feature on Dell laptops and displays is designed to minimize blue light emitted from the display for better eye comfort.

To reduce the risk of eye strain after looking at the laptop's display for an extended period of time, it is recommended that you:

- 1. Set the laptop's display at a comfortable viewing distance between 20 inches and 28 inches (50 cm and 70 cm) from your eyes.
- 2. Blink frequently to moisten your eyes, or wet your eyes with water.
- **3.** Take a break for 20 minutes every two hours.
- 4. 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

Keyboard shortcuts of XPS 15 9530

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys 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 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 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 multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing **F1** mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing Fn + esc. Subsequently, 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 BIOS setup program.

Table 21. List of keyboard shortcuts

Function key	Redefined key (for multimedia control)	Behavior
Ľ√× F1	fn + □□× F1	Mute audio
	fn + \(\(\cdrt{\formal} \), \(\text{F2} \)	Decrease volume
८७) F3	fn + <a>¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	Increase volume
DII F4	fn + ▷II _{F4}	Play/Pause
F5	fn + `	Toggle keyboard backlight
•; ¢ ;-	+	Decrease brightness
F7	+	Increase brightness

Table 21. List of keyboard shortcuts (continued)

Function key	Redefined key (for multimedia control)	Behavior
F8 F8	fn + 🗐 F8	Switch to external display
prt sc F10	fn + prt sc	Print screen
home F11	fn + home	Home
end F12	fn + end F12	End

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

Table 22. List of keyboard shortcuts

Function key	Behavior
fn + B	Pause/Break
fn + S	Toggle scroll lock
fn + R	System request
fn + ctrl	Open application menu
fn + esc	Toggle Fn-key lock

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 23. Self-help resources

Self-help resources	Resource location	
Information about Dell products and services	www.dell.com	
My Dell app	DELL	
Tips	*	
Contact Support	In Windows search, type Contact Support, 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	 Go to www.dell.com/support. On the menu bar at the top of the Support page, select Support > Knowledge Base. 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.

- (i) 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.