


Specifications of XPS 13 9305

Dimensions and weight

The following table lists the height, width, depth, and weight of your XPS 13 9305.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	7.80 mm (0.31 in.)
Rear height	11.63 mm (0.46 in.)
Width	301.76 mm (11.88 in.)
Depth	199.24 mm (7.84 in.)
Weight (maximum)	1.29 kg (2.84 lb)  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.

Processor

The following table lists the details of the processors supported by your XPS 13 9305.

Table 3. Processor

Description	Option one	Option two	Option three
Processor type	11 th Generation Intel Core i3-1115G4	11 th Generation Intel Core i5-1135G7	11 th Generation Intel Core i7-1165G7
Processor wattage	15 W	15 W	15 W
Processor core count	2	4	4
Processor thread count	4	8	8
Processor speed	Up to 4.1 GHz	Up to 4.2 GHz	Up to 4.7 GHz
Processor cache	6 MB	8 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your XPS 13 9305.

Table 4. Chipset

Description	Values
Chipset	Integrated in the processor
Processor	11 th Generation Intel Core i3/i5/i7
DRAM bus width	128-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 4.0 (Storage)

Operating system


Your XPS 13 9305 supports the following operating systems:

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)

Memory

The following table lists the memory specifications of your XPS 13 9305.

Table 5. Memory specifications

Description	Values
Memory slots	Onboard memory  NOTE: The memory modules are integrated on the system board. If the memory modules are malfunctioning and need to be replaced, a replacement of the system board is necessary.
Memory type	LPDDR4x
Memory speed	4267 MT/s
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory size per slot	Not applicable
Memory configurations supported	<ul style="list-style-type: none">• 8 GB (4 x 2 GB) LPDDR4x at 4267 MT/s• 16 GB (4 x 4 GB) LPDDR4x at 4267 MT/s

External ports

The following table lists the external ports on your XPS 13 9305.

Table 6. External ports

Description	Values
USB ports	<ul style="list-style-type: none">One USB 3.2 Gen 2 (Type-C) port with Power Delivery/ DisplayPortTwo Thunderbolt 4 USB Type-C ports with Power Delivery <p>NOTE: To charge the computer, connect the USB Type-C power adapter to the primary Thunderbolt 4 port.</p>
Audio port	One headset (headphone and microphone combo) port
Video port/ports	<ul style="list-style-type: none">One USB 3.2 Gen 2 (Type-C) port with Power Delivery/ DisplayPortTwo Thunderbolt 4 USB Type-C ports with Power Delivery <p>NOTE: A USB Type-C to DisplayPort adapter (sold separately) is required to connect to a DisplayPort device.</p>
Media-card reader	One microSD-card slot
Power-adaptor port	DC-IN through Thunderbolt 4 (USB Type-C) port with Power Delivery (Primary)
Security-cable slot	One wedged-shaped slot

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module supported on your XPS 13 9305.

Table 7. Wireless module specifications

Description	Values
Model number	Intel Killer 1650W
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none">WiFi 802.11a/b/gWi-Fi 4 (WiFi 802.11n)Wi-Fi 5 (WiFi 802.11ac)Wi-Fi 6 (WiFi 802.11ax)
Encryption	<ul style="list-style-type: none">64-bit/128-bit WEPAES-CCMPTKIP
Bluetooth	Bluetooth 5.1

Audio

The following table lists the audio specifications of your XPS 13 9305.

Table 8. Audio specifications

Description		Values
Audio controller		Realtek ALC3271-CG with Waves MaxxAudio Pro
Stereo conversion		Supported
Internal audio interface		High-definition audio interface
External audio interface		7.1 channel output, universal audio jack supports microphone-in, stereo headphones, and headset combo
Number of speakers		Two
Internal-speaker amplifier		Supported (audio codec built-in amplifier)
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

Storage

This section lists the storage options on your XPS 13 9305.

Your XPS 13 9305 supports one of the following storage options:

- One M.2 2230 solid-state drive
- One M.2 2280 solid-state drive

NOTE: The M.2 2230 and M.2 2280 solid-state drives each has a unique thermal plate. The thermal plates cannot be interchanged.


Table 9. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid-state drive	PCIe NVMe Gen3 x2 NVMe, up to 32 Gbps	Up to 256 GB
M.2 2280 solid-state drive	PCIe Gen3 x2 NVMe, up to 32 Gbps	Up to 512 GB

Media-card reader

The following table lists the media cards supported by your XPS 13 9305.


Table 10. Media-card reader specifications

Description	Values
Media-card type	One microSD-card slot
Media-cards supported	<ul style="list-style-type: none">• Micro Secure Digital (mSD)• Micro Secure Digital High Capacity (mSDHC)• Micro Secure Digital Extended Capacity (mSDXC)
 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 13 9305.

Table 11. Keyboard specifications

Description	Values
Keyboard type	Backlit keyboard
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none">• United States and Canada: 82 keys• United Kingdom: 83 keys• Japan: 86 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> <p>See Keyboard shortcuts</p>

Camera

The following table lists the camera specifications of your XPS 13 9305.

Table 12. Camera specifications

Description	Values
Number of cameras	One
Camera type	HD RGB

Table 12. Camera specifications (continued)

Description		Values
Camera location		Top-mount front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle:		78 degrees

Touchpad

The following table lists the touchpad specifications of your XPS 13 9305.

Table 13. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	305
	Vertical	305
Touchpad dimensions:		
	Horizontal	105 mm (4.13 in.)
	Vertical	65 mm (2.56 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

Power adapter

The following table lists the power adapter specifications of your XPS 13 9305.

Table 14. Power adapter specifications

Description	Values
Type	65 W (USB Type-C)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.70 A
Output current (continuous)	<ul style="list-style-type: none">20 VDC/3.25A15 VDC/3 A9 VDC/3 A5 VDC/3 A

Table 14. Power adapter specifications (continued)

Description		Values
Rated output voltage		20 VDC/15 VDC/9 VDC/5 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 13 9305.



 **NOTE:** 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.

Table 15. Battery specifications

Description		Values
Battery type		4-cell "smart" lithium-ion (52 WHr)
Battery voltage		7.60 VDC
Battery weight (maximum)		0.22 kg (0.49 lb)
Battery dimensions:		
	Height	257.60 mm (10.14 in.)
	Width	98.60 mm (3.88 in.)
	Depth	4.30 mm (0.17 in.)
Temperature range:		
	Operating	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°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)		4 hours (when the computer is off)
 NOTE: Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager see, <i>Me and My Dell</i> on www.dell.com .		
Coin-cell battery		ML1220

Display

The following table lists the display specifications of your XPS 13 9305.

Table 16. Display specifications

Description		Option one	Option two	Option three
Display type		Full High Definition (FHD)	Full High Definition (FHD)	Ultra High Definition (UHD)
Display-panel technology		Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):				
	Height	165.24 mm (6.51 in.)	165.24 mm (6.51 in.)	165.24 mm (6.51 in.)
	Width	293.76 mm (11.57 in.)	293.76 mm (11.57 in.)	293.76 mm (11.57 in.)
	Diagonal	337.82 mm (13.30 in.)	337.82 mm (13.30 in.)	337.82 mm (13.30 in.)
Display-panel native resolution		1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)		400 nits	400 nits	400 nits
Megapixels		2.07	2.07	8.29
Color gamut		sRGB 100% (typical)	sRGB 100% (typical)	sRGB 100% (typical)
Pixels Per Inch (PPI)		166	166	331
Contrast ratio (typ)		1000:1	1000:1	1000:1
Response time (max)		30 ms	30 ms	30 ms
Refresh rate		60 Hz	60 Hz	60 Hz
Horizontal view angle		89	89	89
Vertical view angle		89	89	89
Pixel pitch		0.15 mm	0.15 mm	0.08 mm
Power consumption (maximum)		2.9 W	2.9 W	5.41 W
Anti-glare vs glossy finish		Glossy	Anti-glare	Glossy
Touch options		Yes	No	Yes

Fingerprint reader

The following table lists the fingerprint-reader specifications of your XPS 13 9305.

Table 17. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Touch

Table 17. Fingerprint reader specifications (continued)

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

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your XPS 13 9305.

Table 18. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	11 th Generation Intel Core i3
Intel Iris Xe Graphics	Shared system memory	11 th Generation Intel Core i5/i7

Computer environment

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

Table 19. 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 (maximum)	-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)

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

† Measured using a 2 ms half-sine pulse when the hard drive is in use.