

Specifications of Latitude 7530

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 7530.

Table 3. Dimensions and weight

Description		Carbon Fiber (U15)	Carbon Fiber (P28)	Aluminum Titan Gray
Height:				
	Front height	17.73 mm (0.698 in.)	18.23 mm (0.72 in.)	17.50 mm (0.69 in.)
	Rear height	18.90 mm (0.74 in.)	19.40 mm (0.76 in.)	18.40 mm (0.72 in.)
Width		357.70 mm (14.08 in.)	357.70 mm (14.08 in.)	357.70 mm (14.08 in.)
Depth		229.75 mm (9.05 in.)	229.75 mm (9.05 in.)	229.75 mm (9.05 in.)
Weight (minimum)		1.54 kg (3.39 lb)  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.55 kg (3.43 lb)  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.76 kg (3.89 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 that are supported by your Latitude 7530 .

Table 4. Processor

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven
Processor type	12 th Generation Intel Core i5-1235U	12 th Generation Intel Core i7-1255U	12 th Generation Intel Core i5-1240P	12 th Generation Intel vPro Enterprise with Intel Core i5-1245U	12 th Generation Intel vPro Enterprise with Intel Core i7-1265U	12 th Generation Intel vPro Enterprise with Intel Core i5-1250P	12 th Generation Intel vPro Enterprise with Intel Core i7-1270P
Processor wattage	15 W	15 W	28 W	15 W	15 W	28 W	28 W
Processor core count	10	10	12	10	10	12	12
Processor thread count	12	12	16	12	12	16	16
Processor speed	Up to 4.40 GHz	Up to 4.70 GHz	Up to 4.40 GHz	Up to 4.40 GHz	Up to 4.80 GHz	Up to 4.40 GHz	Up to 4.80 GHz

Table 4. Processor (continued)

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven
Processor cache	12 MB	12 MB	12 MB	12 MB	12 MB	12 MB	18 MB
Integrated graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your Latitude 7530.

Table 5. Chipset

Description	Values
Chipset	Intel PCH-LP
Processor	12 th Generation Intel Core i5/i7 processors
DRAM bus width	Dual channel, 64-bit
Flash EPROM	32 MB + 16 MB
PCIe bus	Up to Gen 4.0

Operating system

Your Latitude 7530 supports the following operating systems:

- Windows 11 Pro
- Windows 11 Pro Downgrade (Windows 10 Image Factory Installed)
- Ubuntu Linux 20.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Latitude 7530.

Table 6. Memory specifications

Description	Values
Memory	Integrated on the system board  NOTE: You cannot upgrade the memory on your Latitude 7530
Memory type	• DDR4 available on 12th Generation Intel Core U15 processors • LPDDR5 available on 12th Generation Intel Core P28 processors
Memory speed	• 3200 MHz available on 12th Generation Intel Core U15 processors • 4800 MHz available on 12th Generation Intel Core P28 processors

Table 6. Memory specifications (continued)

Description	Values
Maximum memory configuration	• DDR4: 32 GB • LPDDR5: 32 GB
Minimum memory configuration	• DDR4: 8 GB • LPDDR5: 16 GB
Memory size	• DDR4: 8 GB, 16 GB and 32 GB • LPDDR5: 16 GB and 32 GB
Memory configurations supported	DDR4: • 8 GB, DDR4, 3200 MHz, integrated, dual-channel • 16 GB, DDR4, 3200 MHz, integrated, dual-channel • 32 GB, DDR4, 3200 MHz, integrated, dual-channel LPDDR5: • 16 GB, LPDDR5, 4800 MHz, integrated, dual-channel • 32 GB, LPDDR5, 4800 MHz, integrated, dual-channel

External ports

The following table lists the external ports on your Latitude 7530.

Table 7. External ports

Description	Values
USB ports	• Two USB Type-C Thunderbolt 4.0 ports with Power Delivery and DisplayPort 1.4 Alt mode • Two USB 3.2 Gen 1 ports, one port with PowerShare (available only for 12th Generation Intel Core U15 processors) • One USB 3.2 Gen 1 port with PowerShare (available only for 12th Generation Intel Core P28 processors)
Audio port	One universal audio port
Video port/ports	One HDMI 2.0 port
SIM-card slot	One microSIM-card slot (optional)
Power-adaptor port	Power Delivery (PD) supported by two USB Type-C Thunderbolt 4.0 ports
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Latitude 7530.

Table 8. Internal slots

Description	Values
M.2	• One M.2 3042 Key-B slot for WWAN (optional) • One M.2 2230/2280 slot for solid-state drive

Table 8. 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 supported on your Latitude 7530.

Table 9. Wireless module specifications

Description	Values
Model number	Intel AX211  NOTE: Built on system board and not replaceable as a standalone part
Transfer rate	Up to 2400 Mbps
Frequency bands supported	2.40 GHz/5 GHz/6 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.2

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 7530.

WWAN module specifications

Description	Option one	Option two
Model number	Qualcomm Snapdragon X20 LTE-A CAT16 (DW5821e)	Qualcomm Snapdragon X20 LTE-A CAT9 (DW5829e)
Transfer rate	Up to 1 Gbps DL/150 Mbps UL (Cat 16)	Up to 450 Mbps DL/50 Mbps UL (Cat 9)
Frequency bands supported	• LTE (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 42, 43, 46, 66) • HSPA+ (1, 2, 4, 5, 6, 8, 9, 19)	• LTE (1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 38, 39, 40, 41, 66) • HSPA+ (1, 2, 4, 5, 8)
Wireless standards	• LTE FDD/TDD • WCDMA/HSPA+	• LTE FDD/TDD • WCDMA/HSPA+

Description	Option one	Option two
Encryption	AECS	AECS
Global Navigation Satellite System (GNSS)	GPS/GLONASS/Beidou/Galileo	GPS/GLONASS/Beidou/Galileo
 NOTE: For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, search in the Knowledge Base Resource at www.dell.com/support .		

Audio

The following table lists the audio specifications of your Latitude 7530.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3281-CG
Stereo conversion	Supported
Internal audio interface	High definition audio interface with Realtek ALC1309D Waves Maxx Audio Smart Amp
External audio interface	One universal audio port
Number of speakers	Four isolated mounted speakers (Two speakers are top firing)
Internal-speaker amplifier	Not supported
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 Latitude 7530.

Your computer supports the following storage configurations:

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

The M.2 2230/2280 solid-state drive is the primary drive of your computer.

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 512 GB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4	Up to 512 GB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB

Table 11. Storage specifications (continued)

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive, self-encrypting drive	PCIe NVMe Gen3 x4	256 GB
M.2 2230, Class 35 solid-state drive, self-encrypting drive	PCIe NVMe Gen4 x4	256 GB
M.2 2280, Class 40 solid-state drive, self-encrypting drive	PCIe NVMe Gen4 x4	512 GB

Keyboard

The following table lists the keyboard specifications of your Latitude 7530.

Table 12. Keyboard specifications

Description	Values
Keyboard type	- Standard backlit keyboard - Standard non-backlit keyboard
Keyboard layout	QWERTY/KANJI
Number of keys	- 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	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) changing Function Key Behavior in BIOS setup program.

Camera

The following table lists the camera specifications of your Latitude 7530.

Table 13. Camera specifications

Description	Option one	Option two
Number of cameras	There is one camera option: HD RGB camera	There are two camera options: - FHD RGB camera - IR camera
Camera type	2.7 mm HD RGB webcam	6 mm FHD RGB/IR webcam with camera proximity detection and ALS
Camera location	Front camera	Front camera

Table 13. Camera specifications (continued)

Description		Option one	Option two
Camera sensor type		CMOS sensor technology	CMOS sensor technology
Camera resolution:			
	Still image	0.92 megapixel	2.00 megapixel
	Video	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:			
	Still image	NA	0.23 megapixel
	Video	NA	640 x 360 (VGA) at 15 fps
Diagonal viewing angle:			
	Camera	74.9 degrees	87.6 degrees
	Infrared camera	NA	87.6 degrees

Touchpad

The following table lists the touchpad specifications of your Latitude 7530.

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	>= 300 dpi
	Vertical	>= 300 dpi
Touchpad dimensions:		
	Horizontal	125 mm (4.92 in.)
	Vertical	80 mm (3.14 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 Latitude 7530.

Table 15. Power adapter specifications

Description		Option one	Option two	Option three
Type		60 W AC adapter, USB-C, Small form factor	65 W AC adapter, USB-C	90 W AC adapter, USB-C
Power-adapter dimensions:				
	Height	22.00 mm (0.866 in.)	28.00 mm (1.10 in.)	22.00 mm (0.87 in.)

Table 15. Power adapter specifications (continued)

Description		Option one	Option two	Option three
	Width	66.00 mm (2.598 in.)	112.00 mm (4.41 in.)	130.00 mm (5.12 in.)
	Depth	55.00 mm (2.165 in.)	51.00 mm (2.01 in.)	66.00 mm (2.60 in.)
Weight		0.105 kg (0.231 lb)	0.201 kg (0.443 lb)	0.291 g (0.641 lb)
Input voltage		100 VAC – 240 VAC	100 VAC – 240 VAC	100 VAC – 240 VAC
Input frequency		50 Hz – 60 Hz	50 Hz – 60 Hz	50 Hz – 60 Hz
Input current (maximum)		1.70 A	1.70 A	1.50 A
Output current (continuous)		• 5 V/3 A • 9 V/3 A • 15 V/3 A • 20 V/3 A	• 5 V/3 A • 9 V/3 A • 15 V/3 A • 20 V/3.25 A	• 5 V/3 A • 9 V/3 A • 15 V/3 A • 20 V/4.50 A
Rated output voltage		• 5 VDC • 9 VDC • 15 VDC • 20 VDC	• 5 VDC • 9 VDC • 15 VDC • 20 VDC	• 5 VDC • 9 VDC • 15 VDC • 20 VDC
Temperature range:				
	Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage	-20°C to 70°C (-4°F to 158°F)	-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.				

Battery

The following table lists the battery specifications of your Latitude 7530.

 **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 16. Battery specifications

Description		Option one	Option two
Battery type		3-cell, 41 Wh "smart" lithium-ion	4-cell, 58 Wh "smart" lithium-ion
Battery voltage		11.25 VDC	15.20 VDC
Battery weight (maximum)		0.19 kg (0.41 lb)	0.24 kg (0.54 lb)
Battery dimensions:			
	Height	5.70 mm (0.22 in.)	5.70 mm (0.22 in.)
	Width	89.40 mm (3.52 in.)	89.40 mm (3.52 in.)

Table 16. Battery specifications (continued)

Description		Option one	Option two
	Depth	205.10 mm (8.07 in.)	242.00 mm (9.53 in.)
Temperature range:			
	Operating	- Charge: 0°C to 45°C (32°F to 113°F) - Discharge: 0°C to 70°C (32°F to 158°F)	- Charge: 0°C to 45°C (32°F to 113°F) - Discharge: 0°C to 70°C (32°F to 158°F)
	Storage	-20°C to 65°C (-4°F to 149°F)	-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.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) 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 .		- ExpressCharge Boost (0% up to 35%): 20 minutes - Express charge: 2 hours - Standard charge: 3 hours	- ExpressCharge Boost (0% up to 35%): 20 minutes - Express charge: 2 hours - Standard charge: 3 hours
Coin-cell battery		Rechargeable RTC coin-cell battery	Rechargeable RTC coin-cell battery
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 Latitude 7530.

Table 17. Display specifications

Description		Option one	Option two	Option three	Option four
	Display type	15.6-inch, Full High Definition (FHD)	15.6-inch, Full High Definition (FHD), Super Low Power (SLP), ComfortView Plus	15.6-inch, Full High Definition (FHD)	15.6-inch, Ultra High Definition (UHD), Super Low Power (SLP), ComfortView Plus
	Display-panel technology	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)	Thin Film Transistor (TFT), Wide-viewing angle (WVA)
Display-panel dimensions (active area):					
	Height	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)
	Width	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)

Table 17. Display specifications (continued)

Description		Option one	Option two	Option three	Option four
	Diagonal	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)
Display-panel native resolution		1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)		250 nits	400 nits	250 nits	400 nits
Megapixels		2.07	2.07	2.07	8.30
Color gamut (typical)		45% NTSC	100% sRGB	72% NTSC	100% sRGB
Pixels Per Inch (PPI)		141	141	141	283
Contrast ratio (typical)		700:1	700:1	700:1	1000:1
Response time (maximum)		25 ms	25 ms	25 ms	25 ms
Refresh rate		60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle		80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)
Vertical view angle		80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)	80/80 +/- degrees (min.) 85/85 +/- degrees (typ.)
Pixel pitch		0.17925 mm x 0.17925 mm	0.17925 mm x 0.17925 mm	0.17925 mm x 0.17925 mm	0.08964 mm x 0.08964 mm
Power consumption (maximum)		4.60 W	4.50 W	4.60 W	4.50 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare	Anti-glare	Anti-glare
Touch options		Non-touch	Non-touch	Touch	Non-touch

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint reader of your Latitude 7530.

 **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 Latitude 7530.

Table 19. Sensor

Sensor support
Ambient Light Sensor
IR User Proximity Detection
Digital Compass (Magnetometer)
Accelerometer
Gyrometer
Adaptive Thermal Performance (Laptop vs. Desktop mode) requires Gyrometer/Accelerometer  NOTE: This is for thermal only.
Proximity for SAR compliance (for the WWAN module) Near Field Proximity Sensor
Hall Effect Sensor

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 7530.

Table 20. GPU—Integrated

Controller	Memory size	Processor
Intel Iris X ^e Graphics	Shared system memory	12 th Generation Intel Core i5/i7 processors

Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 7530.

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
Intel Iris X ^e Graphics	Not applicable	4	3

Hardware security

The following table lists the hardware security of your Latitude 7530.

Table 22. Hardware security

Hardware security
Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
Trusted Computing Group (TCG) Certification for TPM

Table 22. Hardware security (continued)

Hardware security
Contacted smart card and Control vault 3
Contactless smart card, NFC, and Control vault 3
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
Fingerprint reader in power button tied to Control vault 3
One wedge-shaped lock slot
SED (Opal 2.0 only - PCIe Interface)
Windows Hello - Fingerprint Reader (optional)
Mechanical privacy shutter for camera (only for metal laptops)

Smart-card reader

Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Latitude 7530.

Table 23. Contacted smart-card reader specifications

Title	Description	Dell ControlVault 3 smart-card reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5V powered smart mcard	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3V powered smart card	Yes
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8V powered smart card	Yes
ISO 7816-1 Compliant	Specification for the reader	Yes
ISO 7816 -2 Compliant	Specification for smart card device physical characteristics (size, location of connection points, etc.)	Yes
T=0 support	Cards support character level transmission	Yes
T=1 support	Cards support block level transmission	Yes
EMVCo Compliant	Compliant with EMVCo (for electronic payment standards) smart card standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
PC/SC OS interface	Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers.	Yes
Windows Certified	Device certified by WHCK	Yes

Table 23. Contacted smart-card reader specifications (continued)

Title	Description	Dell ControlVault 3 smart-card reader
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/HSPD-12 requirements	Yes
FIDO2 compliance	Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC	Yes

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 7530.

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

Table 24. 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	-15.2 m to 3048 m (-49.899 ft to 10000 ft)	-15.2 m to 10668 m (-49.899 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.

† Measured using a 2 ms half-sine pulse.