Specifications of Latitude 5520

Topics:

Dimensions and weight

Table 4. Dimensions and weight

Description	Values
Height	0.78 in. (19.87 mm)
Width	14.09 in. (357.80 mm)
Depth	9.19 in. (233.30 mm)
Weight (minimum)	3.50 lb (1.59 kg) ⓘ **NOTE:** The weight of your computer depends on the configuration ordered and the manufacturing variability.

Processors

ⓘ **NOTE:** Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/country.

Table 5. Processors

Processors	Wattage	Core count	Thread count	Speed	Cache	Integrated graphics
10th Generation Intel Core i5-10210U	15 W	4	8	1.60 GHz to 4.20 GHz	6 MB	Intel UHD Graphics
10thGeneration Intel Core i5-10310U	15 W	4	8	1.70 GHz to 4.40 GHz	6 MB	Intel UHD Graphics
10th Generation Intel Core i7-10610U	15 W	4	8	1.80 GHz to 4.90 GHz	8 MB	Intel UHD Graphics
11th Generation Intel Core i3-1125G4	17.50 W	4	8	2.00 GHz to 3.70 GHz	8 MB	Intel UHD Graphics
11th Generation Intel Core i5-1135G7	17.50 W	4	8	2.40 GHz to 4.20 GHz	8 MB	Intel Iris Xe Graphics ⓘ **NOTE:** System with single-channel memory is shown as **Intel UHD Graphics** in Intel Graphics Command Center (IGCC).
11th Generation Intel Core i5-1145G7	17.50 W	4	8	2.60 GHz to 4.40 GHz	8 MB	Intel Iris Xe Graphics ⓘ **NOTE:** System with single-channel memory is shown as **Intel UHD Graphics** in Intel Graphics Command Center (IGCC).
11th Generation Intel Core i7-1185G7	17.50 W	4	8	3.00 GHz to 4.80 GHz	12 MB	Intel Iris Xe Graphics ⓘ **NOTE:** System with single-channel memory is shown as **Intel UHD Graphics** in Intel Graphics Command Center (IGCC).

Chipset

The following table lists the details of the chipset supported by your Latitude 5320.

Table 6. Chipset

Description	Values
Chipset	Intel PCH-LP
Processor	● 10th Generation Intel Core i5/i7 processors ● 11th Generation Intel Core i3/i5/i7 processors
DRAM bus width	64-bit

Table 6. Chipset (continued)

Description	Values
Flash EPROM	32 MB
PCIe bus	- Up to Gen 3 for 10th Generation Intel Core i5/i7 processors - Up to Gen 4 for 11th Generation Intel Core i3/i5/i7 processors

Operating system

Your Latitude 5520 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Home National Academic, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Pro Education, 64-bit
- Windows 10 Enterprise, 64-bit
- Ubuntu 20.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Latitude 5520:

Table 7. Memory specifications

Description	Values
Slots	Two SO-DIMM slots
Type	DDR4, Dual-channel
Speed	2667 MHz for 10th Generation Intel Core i5/i7 processors 3200 MHz for 11th Generation Intel Core i3/i5/i7 processors
Maximum memory	64 GB
Minimum memory	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB, 32 GB
Configurations supported	4 GB, 1 x 4 GB, DDR4, 3200 MHz 8 GB, 2 x 4 GB, DDR4, 3200 MHz 8 GB, 1 x 8 GB, DDR4, 3200 MHz 16 GB, 2 x 8 GB, DDR4, 3200 MHz 16 GB, 1 x 16 GB, DDR4, 3200 MHz 32 GB, 2 x 16 GB, DDR4, 3200 MHz

Ports and connectors

Table 8. External ports and connectors

External:	
USB	• One USB 3.2 Gen 1 port • One USB 3.2 Gen 1 port with PowerShare • Two Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery for 11th Generation Intel Core i3/i5/i7 processors • Two Thunderbolt 3 ports with DisplayPort Alt Mode/USB 3.2 Gen2/Power Delivery for 10th Generation Intel Core i5/i7 processors
Audio	One universal audio port
Video	• One HDMI 2.0 port for 11th Generation Intel Core i3/i5/i7 processors • One HDMI 1.4 port for 10th Generation Intel Core i5/i7 processors
Media card reader	One micro-SD card slot
Docking port	Supported through USB Type-C
Power adapter port	Type-C power input
Security	One security-cable slot (wedge-shaped)
Communication	• RJ45 port • microSIM card (optional)
Card slot	Smart card reader slot (optional)

Table 9. Internal ports and connectors

Internal:	
M.2	• M.2 2230 slot for Wi-Fi and Bluetooth combo card • M.2 3042 for WWAN • UMA: Two M.2 2230/2280 slot for solid-state drive • DSC: One M.2 2280 slot for solid-state drive ⓘ **NOTE:** To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626.

Communications

Ethernet

Table 10. Ethernet specifications

Description	Values
Model number	• Intel I219-LM • Intel I219-V

Table 10. Ethernet specifications (continued)

Description	Values
Transfer rate	10/100/1000 Mbps

Wireless module

Table 11. Wireless module specifications

Description	Values		
Model number	Intel Wi-Fi 6 AX201	Intel Wi-Fi 6 AX210	Qualcomm QCA61x4A
Transfer rate	Up to 2400 Mbps	Up to 2400 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz
Wireless standards	- 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)	- 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)	- Wi-Fi 802.11a/b/g - Wi-Fi 4 (Wi-Fi 802.11n) - Wi-Fi 5 (Wi-Fi 802.11ac)
Encryption	64-bit/128-bit WEP - AES-CCMP - TKIP	64-bit/128-bit WEP - AES-CCMP - TKIP	64-bit/128-bit WEP - AES-CCMP - TKIP
Bluetooth	Bluetooth 5.1	Bluetooth 5.2	Bluetooth 5.0

WWAN module

Table 12. Wireless module specifications

Description	Values
Model number	Intel XMM 7360 Global LTE-Advanced, CAT9
Transfer rate	Up to 450 Mbps DL/50 Mbps UL (Cat 9)
Frequency bands supported	(1,2,3,4,5,7,8,11,12,13,17,18,19,20,21,26,28,29,30,38,39,40,41,66), HSPA+ (1, 2, 4,5, 8)
Wireless standards	Not Applicable
Encryption	Not Applicable
Bluetooth	Not Applicable

(i) **NOTE:** For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, see the knowledge base article 000143678 at www.dell.com/support.

Audio

Table 13. Audio specifications

Description	Values
Controller	REALTEK ALC3204

Table 13. Audio specifications (continued)

Description	Values
Stereo conversion	Supported
Internal interface	High definition audio interface
External interface	Universal Audio port
Speakers	Two
Internal speaker amplifier	Supported (audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
	Average	2 W
	Peak	2.5 W
Subwoofer output	Not supported
Microphone	Dual-array microphones

Storage

Your computer supports one of the following configurations:
● One M.2 2230, Gen 3 PCIe x4 NVMe, Class 35 SSD (slot 1)
● One M.2 2230, Gen 3 PCIe x4 NVMe, Class 35 SSD (slot 1) with one M.2 2280, Gen 4 PCIe x4 NVMe, Class 40 SSD (slot 2)
● One M.2 2280, Gen 3 PCIe x4 NVMe, Classs 40 SSD (slot 1)
● One M.2 2280, Gen 3 PCIe x4 NVMe, Classs 40 SSD (slot 1) with M.2 2280, Gen 4 PCIe x4 NVMe, Class 40 SSD (slot 2)
● One M.2 2280, Gen 4 PCIe x4 NVMe, Class 40 SSD (slot 2)
● One M.2 2280, Gen 3 PCIe x4 NVMe, Class 40 SSD, Self-encrypting drive (slot 1)
● One M.2 2280, Gen 3 PCIe x4 NVMe, Class 40 SSD, Self-encrypting drive (slot 1) with one M.2 2280, Gen 4 PCIe x4 NVMe, Class 40 SSD (slot 2)

The primary drive of your computer varies with the storage configuration.

Table 14. Storage specifications

Form factor	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	Gen 3 PCIe x4 NVMe	Up to 512 GB
M.2 2280, Class 40 solid-state drive	Gen 3 PCIe x4 NVMe	Up to 1 TB
M.2 2280, Class 40 solid-state drive	Gen 4 PCIe x4 NVMe	Up to 2 TB
M.2 2280, Class 40 solid-state drive, Self-encrypting drive	Gen 3 PCIe x4 NVMe	Up to 512

Media-card reader

Table 15. Media-card reader specifications

Description	Values
Type	One microSD-card

Table 15. Media-card reader specifications (continued)

Description	Values
Cards supported	● Secure Digital (SD) 4.0 ● Secure Digital High Capacity (SDHC) ● Secure Digital Extended Capacity (SDXC)

Keyboard

Table 16. Keyboard specifications

Description	Values
Type	● Extended single-point non-backlit keyboard ● Extended single-point backlit keyboard
Layout	QWERTY
Number of keys	● United States and Canada: 99 keys ● United Kingdom: 100 keys ● Japan: 103 keys
Size	X=18.05 mm key pitch Y=18.05 mm key pitch
Shortcut keys	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 the **Function Key Behavior** in system setup program. Keyboard shortcuts

Camera

Table 17. Camera specifications

Description			Values
Number of cameras			One
Type			Integrated 6 mm HD RGB Webcam
Location			Front camera
Sensor type			CMOS sensor technology
Resolution			
	Camera		
		Still image	0.92 megapixel
		Video	1280 x 720 (HD) at 30 fps
	Infrared camera		

Table 17. Camera specifications (continued)

Description		Values
	Still image	NA
	Video	NA
Diagonal viewing angle		
	Camera	78.60 degrees
	Infrared camera	NA

Table 18. Full HD Webcam

Description		Values
Number of cameras		One
Type		HD RGB camera
Location		Front camera
Sensor type		CMOS sensor technology
Resolution		
Camera		
	Still image	0.92 megapixels
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle		78.6 degrees

Clickpad

The following table lists the clickpad specifications of your Precision 3560.

Table 19. Clickpad specifications

Description		Values
Clickpad resolution		>=300 dpi
Clickpad dimensions:		
	Horizontal	115 mm (4.53 inch)
	Vertical	67 mm (2.64 inch)

Power adapter

Table 20. Power adapter specifications

Description	Option one	Option two	Option three
Type	65 W	90 W	130 W
Diameter/Size (connector)	USB-C	USB-C	USB-C
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz to 60 Hz	50 Hz to 60 Hz	50 Hz to 60 Hz

Table 20. Power adapter specifications (continued)

Description		Option one	Option two	Option three
Input current (maximum)		1.7 A	1.5 A	1.8 A
Output current (continuous)		• 20 V/3.25 A (Continuous) • 15 V/3 A (Continuous) • 9.0 V/3 A (Continuous • 5.0 V/3 A (Continuous)	• 20 V/4.5 A (Continuous) • 15 V/3 A (Continuous) • 9.0 V/3 A (Continuous • 5.0 V/3 A (Continuous)	• 20 V/6.5 A (Continuous) • 5.0 V/1 A (Continuous)
Rated output voltage		20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/5 VDC
Weight		0.20 Kg (0.44 lb)	0.29 Kg (0.64 lb)	0.50 Kg (1.10 lb)
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	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Battery

The following table lists the battery specifications of your Latitude 5520.

Table 21. Battery specifications

Description		Values			
Battery type		3-cell lithium-ion 42 WHr, ExpressCharge Boost	4-cell lithium-ion 63 WHr	3-cell lithium-ion 42 WHr LCL	4-cell lithium-ion 63 WHr LCL
Battery voltage		11.40 VDC	15.20 VDC	11.40 VDC	15.20 VDC
Battery weight (maximum)		0.18 kg (0.40 lb)	0.25 kg (0.55 lb)	0.18 kg (0.40 lb)	0.25 kg (0.55 lb)
Battery dimensions:					
	Height	5.70 mm (0.22 in.)	5.70 mm (0.22 in.)	5.70 mm (0.22 in.)	5.70 mm (0.22 in.)
	Width	95.90 mm (3.78 in.)	95.90 mm (3.78 in.)	95.90 mm (3.78 in.)	95.90 mm (3.78 in.)
	Depth	207.90 mm (8.19 in.)	238.00 mm (9.37 in.)	207.90 mm (8.19 in.)	238.00 mm (9.37 in.)
Temperature range:					
	Operating	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge:0°C to 70°C (32°F to 158°F)	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge:0°C to 70°C (32°F to 158°F)	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge:0°C to 70°C (32°F to 158°F)	• Charge: 0°C to 50°C (32°F to 122°F) • Discharge:0°C to 70°C (32°F to 158°F)
	Storage	–20 °C to 60 °C (-4 °F to 140 °F)	–20 °C to 60 °C (-4 °F to 140 °F)	–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	Varies depending on operating conditions	Varies depending on operating conditions	Varies depending on operating conditions and

Table 21. Battery specifications (continued)

Description	Values			
	reduce under certain power-intensive conditions.	and can significantly reduce under certain power-intensive conditions.	and can significantly reduce under certain power-intensive conditions.	can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate)	From 0% up to 35% in 20 minutes (ExpressCharge Boost), 2hr (Express charge), 3hr (Standard charge) (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, on www.dell.com/	From 0% up to 35% in 20 minutes (ExpressCharge Boost), 2hr (Express charge), 3hr (Standard charge) (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, on www.dell.com/	2hr (Express charge), 3hr (Standard charge) (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, on www.dell.com/	2hr (Express charge), 3hr (Standard charge) (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, on www.dell.com/
Life span (approximate)	1 year	1 year	3 years	3 years
Coin-cell battery	CR-2032	CR-2032	CR-2032	CR-2032

Display

The following table lists the display specifications of your Latitude 5520.

Table 22. Display specifications

Description	Option one	Option two	Option three	Option four	Option five
Display type	High Definition (HD)	Full High Definition (FHD)	Full High Definition (FHD)	Full High Definition (FHD)	Ultra High Definition (UHD)
Display-panel technology	Twisted Nematic (TN)	Thin Film Transistor (TFT), Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Thin Film Transistor (TFT), Wide Viewing Angle (WVA), Super Low Power, Low Blue Light (LBL)	Thin Film Transistor (TFT), Wide Viewing Angle (WVA), Low Blue Light (LBL)
Display-panel dimensions (active area):					
Height	344.16 mm	344.16 mm	344.16 mm	344.16 mm	344.16 mm
Width	193.59 mm	193.59 mm	193.59 mm	193.59 mm	193.59 mm
Diagonal	396.24 mm	396.24 mm	396.24 mm	396.24 mm	396.24 mm

Table 22. Display specifications (continued)

Description	Option one	Option two	Option three	Option four	Option five
Display-panel native resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)	220 nits	250 nits	250 nits	400 nits	400 nits
Megapixels	1.05	2.07	2.07	2.07	8.29
Color gamut	NTSC 45%	NTSC 45%	NTSC 45%	sRGB 100%	sRGB 100%
Pixels Per Inch (PPI)	100	141	141	141	283
Contrast ratio (typ)	500:1	700:1	700:1	700:1	1000:1
Response time (max)	25 ms	25 ms	25 ms	25 ms	19 ms
Refresh rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle	40 +/-degrees	80 +/-degrees	80 +/-degrees	80 +/-degrees	80 +/-degrees
Vertical view angle	10 (U)/30 (D) +/-degrees	80 +/-degrees	80 +/-degrees	80 +/-degrees	80 +/-degrees
Pixel pitch	TBD	0.17925 mm	0.17925 mm	0.17925 mm	0.08964 mm
Power consumption (maximum)	4.2 W	4.6 W	4.6 W	4.5 W	4.5 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare
Touch options	No	No	Yes	No	No

Fingerprint reader (optional)

Table 23. Fingerprint reader specifications

Description	Power button option	FIPS option
Sensor technology	Capacitative	Capacitive
Sensor resolution	500 dpi	508 dpi
Sensor pixel size, X	108	256
Sensor pixel size, Y	88	360

Video

Table 24. Discrete graphics specifications

Discrete graphics			
Controller	External display support	Memory size	Memory Type
NVIDIA GeForce MX450	No	2 GB	GDDR6

Table 25. Integrated graphics specifications

Integrated graphics			
Controller	**External display support**	**Memory size**	**Processor**
Intel Iris Xe Graphics	HDMI 2.0, DisplayPort over USB Type-C	Shared system memory	11th Generation Intel Core i5/i7 Processors ⓘ **NOTE:** System with single-channel memory is shown as **Intel UHD Graphics** in Intel Graphics Command Center (IGCC).
Intel UHD Graphics	HDMI 2.0, DisplayPort over USB Type-C	Shared system memory	11th Generation Intel Core i3 Processors
Intel UHD Graphics	HDMI 1.4, DisplayPort over USB Type-C	Shared system memory	10th Generation Intel Core i5/i7 Processors

Multiple display support matrix

The following table lists the multiple display support matrix of your Latitude 5520.

Table 26. Multiple display support matrix for 11th Generation Intel Core

Graphics Card	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Integrated GPU	Up to 3	Up to 4

Table 27. Multiple display support matrix for 10th Generation Intel Core

Graphics Card	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Integrated GPU	Up to 2	Up to 3

Hardware security

The following table lists the hardware security options supported by your .

Table 28. Hardware security

Hardware security options
Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
TCG (Trusted Computing Group) Certification for TPM
Fingerprint reader in power button tied to ControlVault 3
ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification
Contacted Smart Card and ControlVault 3

Table 28. Hardware security (continued)

Hardware security options
Contactless Smart Card, NFC, and ControlVault 3
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
FIPS 201 Full Scan FPR and ControlVault 3

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 5520.

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

Table 29. Computer environment

Description	Operating	Storage
Temperature range	0°C to 40°C (32°F to 104°F)	-40°C to 60°C (-40°F to 140°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	-15.2 m to 3048 m (-50 ft to 10000 ft)	-15.2 m to 10668 m (-50 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 when the hard drive is in use.

Sensor and control

The following table lists the location of the sensor and control available in your .

Table 30. Sensor and control

Sensor support	
Sensor	Ambient Light Sensor on the hinge-up (optional)
	P-sensor on the hinge-up (optional)
	Accelerometer (G sensor): One on the base (system board) and another on the hinge-up (optional)