

# Specifications of Latitude 3520

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 3520.

**Table 3. Dimensions and weight**

Description	Values
Height:	
Front height	18.06 mm (0.71 in.)
Rear height	18.06 mm (0.71 in.)
Width	361 mm (14.21 in.)
Depth	240.95 mm (9.48 in.)
Weight	1.79 kg (3.95 lb)
<b>NOTE:</b> 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 Latitude 3520

**Table 4. Processor**

Description	Option one	Option two	Option three	Option Four	Option Five	Option Six	Option Seven
Processor type	Intel Celeron 6305U	10 <sup>th</sup> Generation Intel Core i3-1005G1	11 <sup>th</sup> Generation Intel Core i3-1115G4	11 <sup>th</sup> Generation Intel Core i5-1135G7	11 <sup>th</sup> Generation Intel Core i5-1145G7	11 <sup>th</sup> Generation Intel Core i7-1165G7	11 <sup>th</sup> Generation Intel Core i3-1125G4
Processor wattage	15 W	15 W	15 W	15 W	15 W	15 W	15 W
Processor core count	2	2	2	4	4	4	4
Processor thread count	2	4	4	8	8	8	8
Processor speed	Up to 1.80 GHz	2.40 GHz to 3.40 GHz	3.0 GHz to 4.10 GHz	2.40 GHz to 4.20 GHz	2.60 GHz to 4.40 GHz	2.80 GHz to 4.70 GHz	2.0 GHz to 3.70 GHz
Processor cache	4 MB	4 MB	6 MB	8 MB	8 MB	12 MB	8 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel Iris X <sup>e</sup> Graphics	Intel UHD graphics

# Chipset

The following table lists the details of the chipset supported by your Latitude 3520

**Table 5. Chipset**

Description	Option one	Option two
Processors	Intel 10 <sup>th</sup> Generation Core i3	Intel 11 <sup>th</sup> Generation Core i3/i5/i7 and Intel Celeron
Chipset	Intel	Intel
DRAM bus width	64-bit	64-bit
Flash EPROM	32 MB	32 MB
PCIe bus	Up to Gen 3	Up to Gen 3

# Operating system

Your Latitude 3520 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 10 Home, 64-bit
- Windows 10 Pro, 64-bit
- Ubuntu 20.04 LTS, 64-bit
- Kylin Linux version 10

# Memory

The following table lists the memory specifications of your Latitude 3520.

**Table 6. Memory specifications**

Description	Values
Memory slots	Two SODIMM slots
Memory type	DDR4
Memory speed	3200 MHz
Maximum memory configuration	32 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB, 8 GB, 16 GB
Memory configurations supported	<ul style="list-style-type: none"><li>• 4 GB, 1 x 4 GB, DDR4, 3200 MHz</li><li>• 8 GB, 1 x 8 GB, DDR4, 3200 MHz</li><li>• 8 GB, 2 x 4 GB, DDR4, 3200 MHz</li><li>• 16 GB, 1 x 16 GB, DDR4, 3200 MHz</li><li>• 16 GB, 2 x 8 GB, DDR4, 3200 MHz</li><li>• 32 GB, 2 x 16 GB, DDR4, 3200 MHz</li></ul>

# Intel Optane Memory with solid-state storage (optional)

Intel Optane Memory technology utilizes 3D XPoint memory technology and functions as a non-volatile storage cache/accelerator and/or storage device depending on the Intel Optane Memory installed in your computer.

Intel Optane Memory with solid-state storage functions as both a non-volatile storage cache/accelerator (enabling enhanced read/write speeds for hard-drive storage) and a solid-state storage solution. It neither replaces nor adds to the memory (RAM) installed on your computer.

**Table 7. Intel Optane Memory with solid-state storage specifications**

Description	Values
Interface	PCIe NVMe Gen3 x2+x2
Connector	M.2 2280
Capacity (Intel Optane memory)	32 GB
Capacity (solid-state storage)	512 GB

**NOTE:** Intel Optane Memory with solid-state storage is supported on computers that meet the following requirements:

- 11<sup>th</sup> Generation Intel Core i3/i5/i7 processors
- Windows 10 64-bit version or higher
- Intel Rapid Storage Technology driver version 15.9.1.1018 or higher

## External ports

The following table lists the external ports of your Latitude 3520.

**Table 8. External ports**

Description	Values
Network port	One Flip-down RJ 45 10/100/1000 Mbps
USB ports	<ul style="list-style-type: none"><li>• One USB 3.2 Gen 2x2 Type-C port with DisplayPort alt mode/Power Delivery (11<sup>th</sup> Generation Intel processors only)</li><li>• One USB 3.2 Gen 2 Type-C port with DisplayPort alt mode/Power Delivery (10<sup>th</sup> Generation Intel processors only)</li><li>• One USB 3.2 Gen 1 port</li><li>• One USB 3.2 Gen 1 port with PowerShare</li><li>• One USB 2.0 port</li></ul>
Audio port	One universal audio port
Video port	One HDMI 1.4 port
Media-card reader	One microSD-card slot
Power adapter port	4.5 mm barrel-type
Security-cable slot	One wedge-shaped lock slot
SIM-card slot	One microSIM-card slot (WWAN only)

# Internal slots

The following table lists the internal slots of your Latitude 3520.

**Table 9. Internal slots**

Description	Values
M.2	<ul style="list-style-type: none"><li>One M.2 slot for WWAN (on WWAN I/O board)</li><li>One M.2 2230 slot for Wi-Fi</li><li>One M.2 slot for 2230/2280 solid-state drive</li></ul> <p><b>NOTE:</b> To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="https://www.dell.com/support">000144170</a> at <a href="https://www.dell.com/support">www.dell.com/support</a>.</p>

# Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Latitude 3520.

**Table 10. Ethernet specifications**

Description	Values
Model number	Integrated Realtek RTL8111H
Transfer rate	e.g. 10/100/1000 Mbps

# Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Latitude 3520.

## Wireless module

**Table 11. Wireless module specifications**

Description	Values	
Model number	Intel Wi-Fi 6 AX201	Qualcomm QCA61x4A
Transfer rate	Up to 2400 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"><li>WiFi 802.11a/b/g</li><li>Wi-Fi 4 (Wi-Fi 802.11n)</li><li>Wi-Fi 5 (Wi-Fi 802.11ac)</li><li>Wi-Fi 6 (Wi-Fi 802.11ax)</li></ul>	<ul style="list-style-type: none"><li>WiFi 802.11a/b/g</li><li>Wi-Fi 4 (Wi-Fi 802.11n)</li><li>Wi-Fi 5 (Wi-Fi 802.11ac)</li></ul>
Encryption	<ul style="list-style-type: none"><li>64-bit/128-bit WEP</li><li>AES-CCMP</li><li>TKIP</li></ul>	<ul style="list-style-type: none"><li>64-bit/128-bit WEP</li><li>AES-CCMP</li><li>TKIP</li></ul>
Bluetooth	Bluetooth 5.1	Bluetooth 5.0

**Table 12. WWAN module**

Feature	Specifications
Model number	Dell DW5820e Intel 7360 LTE-A
Host interface	M.2 3042 form factor
Network standard	LTE FDD/TDD, WCDMA/HSPA+, GNSS/Beidou
Transfer rate	Up to 450 Mbps DL/50 Mbps UL (Cat 9)
Operating Frequency Bands	(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)
Data Rate	<ul style="list-style-type: none"> <li>• LTE FDD: 450 Mbps DL/50 Mbps UL (Cat 9)</li> <li>• LTE TDD: 347 Mbps DL/30 Mbps UL (Cat 9)</li> <li>• UMTS/HSPA+: UMTS 384 kbps DL/384 kbps UL</li> </ul>
Power supply	DC 3.135 V to 4.4 V, Typical 3.3 V
Antenna Diversity	Supported
Radio On/Off	Supported
Wake On Wireless	Supported
Temperature	<ul style="list-style-type: none"> <li>• Normal operating temperature: -10°C to + 55°C</li> <li>• Extended Operating temperature: -20°C to +65°C</li> </ul> <p><b>NOTE:</b> Variation in temperature can affect the performance of the WWAN card.</p>
Antenna connector	<ul style="list-style-type: none"> <li>• WWAN Main Antenna X 1</li> <li>• WWAN Diversity Antenna X 1</li> </ul>

## Audio

The following table lists the audio specifications of your Latitude 3520.

**Table 13. Audio specifications**

Description	Values
Audio controller	Realtek ALC3204
Stereo conversion	Supported
Internal audio interface	High definition audio
External audio interface	Universal audio port
Number of speakers	Two
Internal-speaker amplifier	Supported (audio codec integrated)
External volume controls	Keyboard shortcut controls
Speaker output:	
Average speaker output	2 W
Peak speaker output	2.5 W
Subwoofer output	Not supported

**Table 13. Audio specifications (continued)**

Description	Values
Microphone	<ul style="list-style-type: none"> <li>• Single microphones with HD camera</li> <li>• Digital-array microphones with IR camera</li> </ul>

## Storage

This section lists the storage options on your Latitude 3520.

Your computer supports one of the following configurations:

- One 2.5-inch SATA hard-drive
- One M.2 2230/2280 for solid-state drive (Class 35 or Class 40)
- One 2.5-inch SATA hard-drive and One M.2 2230/2280 solid-state drive

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

- 2.5-inch 5400/7200 RPM, SATA hard drive
- M.2 2230/2280 for solid-state drive (Class 35 or Class 40)

**Table 14. Storage specifications**

Storage type	Interface type	Capacity
2.5-in. 5400 rpm, hard drive	SATA	1 TB
2.5-in. 7200 rpm, hard drive	SATA	500 GB
M.2 2230 solid-state drive	PCIe NVMe Gen3 x4	Up to 512 GB
M.2 2280 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB

## Media-card reader

The following table lists the media cards supported by your Latitude 3520.

**Table 15. Media-card reader specifications**

Description	Values
Media-card type	One microSD 3.0 card
Media-cards supported	<ul style="list-style-type: none"> <li>• Micro Secure Digital (mSD)</li> <li>• Micro Secure Digital High Capacity(mSDHC)</li> <li>• Micro Secure Digital Extended Capacity(mSDXC)</li> </ul>
<p><b>NOTE:</b> The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.</p>	

## Keyboard

**Table 16. Keyboard specifications**

Description	Values
Type	<ul style="list-style-type: none"> <li>• Standard non-backlit keyboard with optional fingerprint reader</li> <li>• Standard backlit keyboard with optional fingerprint reader</li> </ul>

**Table 16. Keyboard specifications (continued)**

Description	Values
Layout	QWERTY
Number of keys	<ul style="list-style-type: none"> <li>• United States and Canada: 99 keys</li> <li>• United Kingdom: 100 keys</li> <li>• Japan: 103 keys</li> </ul>
Size	X=18.70 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. ⓘ <b>NOTE:</b> You can define the primary behavior of the function keys (F1–F12) changing <b>Function Key Behavior</b> in BIOS setup program.

## Camera

**Table 17. Camera specifications**

Standard Webcam		
Description		Values
Number of cameras		One
Type		HD RGB camera
Location		Front Camera
Sensor type		CMOS sensor technology
Resolution:		
	Still image	0.92 megapixel
	Video	1280 x 720 (HD) at 30 fps
Diagonal viewing angle		78.60 degrees

**Table 18. IR Webcam specifications**

IR Webcam		
Description		
Number of cameras		One
Type		HD RGB-IR camera
Location		Front Camera
Sensor type		CMOS sensor technology
Resolution		
Camera		
Still image (megapixel)		0.92

**Table 18. IR Webcam specifications (continued)**

IR Webcam		
Description		
	Video	1280 x 720 (HD) at 30 fps
	Infrared camera	
Still image		0.23 megapixel
Video		640 x 360 at 30 fps
Diagonal viewing angle		
	Camera	87 degree
	Infrared camera	87 degree

## Touchpad

The following table lists the touchpad specifications of your Latitude 3520.

**Table 19. Touchpad specifications**

Description		Values
Touchpad resolution:		
	Horizontal	305
	Vertical	305
Touchpad dimensions:		
	Horizontal	115 mm (4.53 in.)
	Vertical	80 mm (3.15 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article <a href="https://support.microsoft.com/4027871">4027871</a> at <a href="https://support.microsoft.com">support.microsoft.com</a> .

## Power adapter


The following table lists the power adapter specifications of your Latitude 3520.

**Table 20. Power adapter specifications**

Description	Option one	Option two
Type	65 W AC adapter, 4.5 mm barrel	65 W AC adapter, USB-C
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz	50 Hz x 60 Hz
Input current (maximum)	1.60 A / 1.7 A	1.70 A
Output current (continuous)	3.34 A	<ul style="list-style-type: none"> <li>• 20 V/3.25 A</li> <li>• 15 V/3 A</li> <li>• 9 V/3 A</li> <li>• 5 V/3 A</li> </ul>





**Table 20. Power adapter specifications (continued)**

Description		Option one	Option two
Rated output voltage		19.50 VDC	20 VDC/15 VDC/9 VDC/5 VDC
Temperature range:			
	Operating	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)
 <b>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.</b>			

## Battery

**Table 21. Battery specifications**

Description		Values	
Type		3-cell, 41 Whr	4-cell, 54 Whr
Voltage		11.25 VDC	15 VDC
Weight (maximum)		0.17 kg (0.37 lb)	0.23 kg (0.50 lb)
Dimensions:			
	Height	206.40 mm (8.12 in.)	271.90 mm (10.70 in.)
	Width	82 mm (3.22 in.)	82 mm (3.22 in.)
	Depth	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
Temperature range:			
	Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°F to 149°F)	-40°C to 65°C (-40°F to 149°F)
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.
Charging time (approximate)		4 hours (when the computer is off)  <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application.	4 hours (when the computer is off)  <b>NOTE:</b> Control the charging time, duration, start and end time, and so on using the Dell Power Manager application.
Life span (approximate)		300 discharge/charge cycles	300 discharge/charge cycles
Coin-cell battery		CR2032	CR2032
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.

# Display

**Table 22. Display specifications**

Description		Values		
Type		High Definition (HD)	Full High Definition (FHD)	Full High Definition (FHD)
Panel technology		TN(Twisted Nematic)	WVA(wide view angle)	WVA(wide view angle)
Luminance (typical)		220 nits	250 nits	250 nits
Dimensions (active area):				
	Height	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)
	Width	344.16 mm (13.54 in.)	344.16 mm (13.54 in.)	344.16 mm (13.54 in.)
	Diagonal	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)	396.24 mm (15.60 in.)
Native resolution		1366 x 768	1920 x 1080	1920 x 1080
Megapixels		1.05	2.073	2.07
Color gamut		NTSC 45% Typ.	NTSC 45% Typ.	NTSC 45% Typ.
Pixels per inch (PPI)		100	141	141
Contrast ratio (min)		500:1	700:1	700:1
Response time (max)		25 ms	25 ms	25 ms
Refresh rate		60 Hz	60 Hz	60 Hz
Horizontal view angle		40 degrees	80 degrees	80 degrees
Vertical view angle		10/30 degrees	80 degrees	80 degrees
Pixel pitch		0.252 mm	0.179 mm	0.179 mm
Power consumption (maximum)		4.20 W	4.60 W	4.50 W
Anti-glare vs glossy finish		Anti-glare	Anti-glare	Anti-glare
Touch options		No	No	Yes

# Fingerprint reader

The following table lists the fingerprint-reader specifications of your Latitude 3520.

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

**NOTE:** The fingerprint reader is an optional offering.

**Table 23. Fingerprint reader specifications**

Description	Values
Fingerprint-reader sensor technology	Capacitive

**Table 23. 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 Latitude 3520.

**Table 24. GPU—Integrated**

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	<ul style="list-style-type: none"> <li>Intel Celeron 6305U processor</li> <li>Intel 10<sup>th</sup> Generation Core i3 processors</li> <li>Intel 11<sup>th</sup> Generation Core i3 processors</li> </ul>
Intel Iris X <sup>e</sup> Graphics	Shared system memory	<ul style="list-style-type: none"> <li>Intel 11<sup>th</sup> Generation Core i5 / i7 processors</li> </ul>

## GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Latitude 3520.

**Table 25. GPU—Discrete**


Controller	External display support	Memory size	Memory type
NVIDIA GeForce MX450	Not Supported	2 GB	GDDR5

## Operating and storage environment

This table lists the operating and storage specifications of your Latitude 3520.

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

**Table 26. 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 (4.64 ft to 10000 ft)	-15.2 m to 10668 m (4.64 ft to 35000 ft)
 <b>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.</b>		

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