

# Dell Latitude 3500

## Specifications



# System specifications

## System information

Feature	Specifications
Chipset	Integrated in the processor
DRAM bus width	64-bit
FLASH EPROM	16 MB
PCIe bus	Up to Gen3

## Processor

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

Type	UMA Graphics	Discrete Graphics
Intel Celeron 4205U processor (2 MB cache, 2 core count/2 threads, 1.8 GHz)	Intel UHD Graphics 620	NA
8th Gen Intel Core i3-8145U processor (4 MB cache, 2 core count/ 4 threads, 2.1 GHz upto 3.9 GHz with Turbo boost, 15 W TDP)	Intel UHD Graphics 620	NA
8th Gen Intel Core i5-8265U processor (6 MB cache, 4 core count/ 8 threads, 1.6 GHz upto 3.9 GHz with Turbo boost, 15 W TDP)	NA	Nvidia GeForce MX130 graphics
8th Gen Intel Core i5-8365U processor (6 MB cache, 4 core count/ 8 threads, 1.6 GHz upto 4.1 GHz with Turbo boost, 15 W TDP)	Intel UHD Graphics 620	Nvidia GeForce MX130 graphics
8th Gen Intel Core i7-8565U processor (8 MB cache, 4 core count/ 8 threads, 1.8 GHz upto 4.6 GHz with Turbo boost, 15 W TDP)	NA	Nvidia GeForce MX130 graphics

# Memory

Feature	Specifications
Minimum memory configuration	4 GB
Maximum memory configuration	32 GB
Number of slots	2 SODIMM
Maximum memory supported per slot	16 GB
Memory options	<ul style="list-style-type: none"><li>• 4 GB (1 x 4 GB)</li><li>• 8 GB (2 x 4 GB)</li><li>• 8 GB (1 x 8 GB)</li><li>• 16 GB (2 x 8 GB)</li><li>• 16 GB (1 x 16 GB)</li><li>• 32 GB (2 x 16 GB)</li></ul>
Type	DDR4 SDRAM Non-ECC memory
Speed	2400 MHz

# Storage

Type	Form factor	Interface	Capacity
Hard Disk Drive	SATA	SATA Gen 3 (5400 RPM)	Up to 1 TB
SATA Solid-State Drive (Class 20)	M.2 SSD 2280	SATA Gen 3	Up to 1 TB
PCIe NVMe Solid-State Drive (Class 35)	M.2 SSD 2280	PCIe Gen 3x4 NVMe, up to 32 Gbps	Up to 1 TB
PCIe NVMe Solid-State Drive (Class 35)	M.2 SSD 2230	PCIe Gen 3x4 NVMe, up to 32 Gbps	Up to 1 TB
PCIe NVMe Solid-State Drive (Class 40)	M.2 SSD 2280	PCIe Gen 3x4 NVMe, up to 32 Gbps	Up to 1 TB

# Intel Optane memory—optional

Intel Optane memory functions only as a storage accelerator. It neither replaces nor adds to the memory (RAM) installed on your computer.

**NOTE:** Intel M15 Optane memory is supported on computers that meet the following requirements:

- **8th Generation or higher Intel Core i3/i5/i7 processor**
- **Windows 10 64-bit version 1607 or higher (Anniversary Update)**
- **Intel Rapid Storage Technology driver version 17.0 or higher**
- **UEFI BIOS configuration**

Feature	Specifications
Interface	PCIe3x4 NVMe

Feature	Specifications
Connector	M.2 card slot (2280)
Configurations supported	<ul style="list-style-type: none"> <li>8th Generation or higher Intel Core i3/i5/i7 processor</li> <li>Windows 10 64-bit version 1607 or higher (Anniversary Update)</li> <li>Intel Rapid Storage Technology driver version 17.0 or higher</li> <li>UEFI BIOS configuration</li> </ul>
Capacity	32 GB

## System board connectors

Feature	Specifications
M.2 Connectors	One M.2 2280 Key-M Connector One M.2 2230 Key-M Connector

## Media card-reader

Feature	Specifications
Type	One SD-card slot
Supported cards	SD 3.0

## Audio

Feature	Specifications
Controller	Realtek ALC3204
Speakers	Two
Interface	<ul style="list-style-type: none"> <li>Universal audio jack</li> <li>High quality speakers</li> <li>Noise reducing array microphones</li> <li>Stereo headset/mic combo</li> </ul>
Internal speaker amplifier	2W (RMS) per channel

## Video card

Controller	Type	CPU Dependency	Graphics memory type	Capacity	External display support	Maximum resolution
Intel UHD Graphics 620	UMA	<ul style="list-style-type: none"> <li>Intel Core i7-8565U CP</li> </ul>	Integrated	Shared system memory	<ul style="list-style-type: none"> <li>HDMI 1.4b port</li> <li>VGA port</li> <li>DisplayPort</li> </ul>	<ul style="list-style-type: none"> <li>1920 x 1200 @ 60Hz</li> </ul>

Controller	Type	CPU Dependency	Graphics memory type	Capacity	External display support	Maximum resolution
		<ul style="list-style-type: none"> <li>Intel Core i5-8265U CP</li> <li>Intel Core i3-8145U CPU</li> </ul>				<ul style="list-style-type: none"> <li>1920 x 1200 @ 60Hz</li> <li>3840 x 2400 @ 60Hz</li> </ul>
Nvidia GeForce MX130 equivalent, 2 GB	Discrete	NA	GDDR5	2 GB	<ul style="list-style-type: none"> <li>HDMI 1.4b port</li> <li>VGA port</li> <li>DisplayPort</li> </ul>	<ul style="list-style-type: none"> <li>1920 x 1200 @ 60Hz</li> <li>1920 x 1200 @ 60Hz</li> <li>3840 x 2400 @ 60Hz</li> </ul>

## Camera

Feature	Specifications
Resolution	Camera: <ul style="list-style-type: none"> <li>Still image: 0.92 megapixels</li> <li>Video: 1280 x 720 at 30 fps</li> <li>Still image: 0.92 megapixels</li> <li>Video: 1280 x 720 at 60 fps</li> </ul>
Diagonal viewing angle	<ul style="list-style-type: none"> <li>Camera - 86.7 degrees</li> </ul>

## Communication

Feature	Specifications
Network adapter	Integrated Realtek RTL8111H/100/1000 Mb/s Ethernet (RJ-45 )

## Wireless

Specifications
Qualcomm QCA9377 802.11ac Single Band (1x1) Wireless Adapter + Bluetooth 4.1
Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter + Bluetooth 4.2
Intel Dual-Band Wireless-AC 9560 Wi-Fi + Bluetooth 5.0 Wireless Card (2x2). Bluetooth (Optional)
Intel Wi-Fi 6 AX200 2x2 .11ax 160MHz + Bluetooth 5.0
Dell DW5820e Intel 7360 LTE-A; LTE Cat 9

# Ports and connectors

Feature	Specifications
Memory card reader	One SD 3.0 memory card reader
USB	<ul style="list-style-type: none"><li>• One USB Type-C 3.1 Gen 1 with Power Delivery and DisplayPort</li><li>• One USB 3.1 Gen 1 port</li><li>• One USB 3.1 Gen 1 with PowerShare port</li><li>• One USB 2.0 port</li></ul>
Security	Noble wedge lock slot
Audio	Universal audio jack
Video	One VGA and HDMI 1.4 port
Network adapter	One RJ-45 connector
Others	Touch Fingerprint reader in Power Button (optional) One external uSIM card tray option

# Display

Feature	Specifications
Type	<ul style="list-style-type: none"><li>• 15.6 inch HD (1366 x 768) Anti-Glare Non-Touch, 220 nits, TN, eDP 1.2, 16:9, HD camera and single microphone</li><li>• 15.6 inch FHD (1920 x 1080) Anti-Glare Non-Touch, 220 nits, TN, eDP 1.2, 16:9, HD camera and single microphone</li><li>• 15.6 inch FHD (1920 x 1080) TrueLife with Embedded Touch, 220 nits, TN, eDP 1.2, 16:9, IR camera and dual microphone</li></ul>
Pixels Per Inch (PPI)	HD: 100 FHD: 142
Refresh rate	60 Hz
Horizontal viewing angle (min)	+/- 40 degrees
Vertical viewing angle (min)	+10/- 30 degrees

# Keyboard

Feature	Specifications
Number of keys	<ul style="list-style-type: none"><li>• 103 (U.S. and Canada)</li><li>• 104 (Europe)</li><li>• 106 (Brazil)</li><li>• 107 (Japan)</li></ul>

Feature	Specifications
Size	Full sized <ul style="list-style-type: none"> <li>• X= 19.00 mm key pitch</li> <li>• Y= 19.00 mm key pitch</li> </ul>
Keyboard	<ul style="list-style-type: none"> <li>• Single pointing non-backlit keyboard.</li> <li>• Backlit keyboard (optional)</li> </ul>
Layout	QWERTY/AZERTY/Kanji

## Touchpad

Feature	Specifications
Resolution	<ul style="list-style-type: none"> <li>• Horizontal: 305</li> <li>• Vertical: 305</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Width: 4.13 inch (105 mm )</li> <li>• Height: 3.15 inch (80 mm)</li> </ul>
Multi-touch	Supports four fingers

## Operating system

Feature	Specifications
Operating systems supported	<ul style="list-style-type: none"> <li>• Microsoft Windows 10 Home 64 bit</li> <li>• Microsoft Windows10 Professional 64 bit</li> <li>• Windows 10S (with UMA Only)</li> <li>• Ubuntu 18.04 LTS 64-bit</li> </ul>

## Battery

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>• 42 WHr "smart" lithium-ion 3 cell battery</li> <li>• 56 WHr "smart" lithium-ion 4 cell battery</li> </ul>
Dimension	<p>42 WHr "smart" lithium-ion</p> <ul style="list-style-type: none"> <li>• Length: 175.5 mm (6.909 inch)</li> <li>• Width: 91 mm (3.58 inch)</li> <li>• Height: 5.9 mm (0.23 inch)</li> <li>• Weight: 177.7g</li> </ul> <p>56 WHr "smart" lithium-ion</p> <ul style="list-style-type: none"> <li>• Length: 233.17 mm (9.18 inch)</li> <li>• Width: 91 mm (3.58 inch)</li> <li>• Height: 5.9 mm (0.23 inch)</li> <li>• Weight: 236.00 g</li> </ul>

Feature	Specifications
Weight (maximum)	252 g
Voltage	<ul style="list-style-type: none"> <li>42 WHr - 11.4 VDC</li> <li>56 WHr - 15.2 VDC</li> </ul>
Life span	300 discharge/recharge cycles
Charging time when the computer is off (approximate)	4 hours
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions
Temperature range: Operating	0°C to 35°C (32°F to 95°F)
Temperature range: Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	ML1220

## Power adapter

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>45 W adapter 4.5 mm barrel</li> <li>65 W adapter 4.5 mm barrel</li> <li>65 W adapter, USB Type-C</li> <li>90 W adapter, USB Type-C</li> </ul>
Input Voltage	100 VAC-240 VAC
Input current (maximum)	<ul style="list-style-type: none"> <li>180 W - 1.7 A</li> <li>180 W - 2.5 A</li> </ul>
Input frequency	50 Hz-60 Hz
Output current	180 W - 3.34 A (continuous)
Rated output voltage	19.5 VDC
Temperature range (Operating)	0° to 40° C (32° to 104° F)
Temperature range (Non-Operating)	40° to 70° C (-40° to 158° F)

## Dimensions and weight

Feature	Specifications
Height	Front height - 0.71 inch (18.0 mm) Back height - 0.71 inch (18.0 mm)
Width	14.91 inch (378.66 mm)
Depth	10.05 inch (255.35 mm)
Weight	Starting 4.37 lb (1.98 kg)



# Computer environment

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

	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 80% (non-condensing) <b>NOTE: Maximum dew point temperature = 26°C</b>	10% to 95% (non-condensing) <b>NOTE: Maximum dew point temperature = 33°C</b>
Vibration (maximum)	0.26 GRMS	1.37 GRMS
Shock (maximum)	105 G †	40 G‡
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 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.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.

## Security

Feature	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on the system board
Firmware TPM	Optional
Windows Hello Support	Optional

## Security Software

Feature	Specifications
Dell Endpoint Security Suite Enterprise	Optional
Dell Data Guardian	Optional
Dell Encryption (Enterprise or Personal)	Optional
Dell Threat Defense	Optional
RSA SecurID Access	Optional
RSA NetWitness Endpoint	Optional
MozyPro or MozyEnterprise	Optional
VMware Airwatch/WorkspaceONE	Optional
Absolute Data & Device Security	Optional

# Miscellaneous software

Feature	Specifications
Dell Precision Optimizer V3.0	Standard
Teradici PCoIP Workstation Access Software	Optional