

# Dell Latitude 5400

## Setup and specifications guide



# Processor

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

**Table 4. Processor specifications**

Type	UMA Graphics	Discrete Graphics
8th Gen Intel Core i7-8665U processor (8 MB cache, 4 core count/8 threads, 1.9 GHz to 4.8 GHz, 15 W TDP, vPro)	Intel UHD Graphics 620	AMD Radeon 540X
8th Gen Intel Core i5-8365U processor (6 MB cache, 4 core count/8 threads, 1.6 GHz to 4.1 GHz, 15 W TDP, vPro)	Intel UHD Graphics 620	AMD Radeon 540X
8th Gen Intel Core i5-8265U processor (6 MB cache, 4 core count/8 threads, 1.6 GHz to 3.9 GHz, 15 W TDP)	Intel UHD Graphics 620	AMD Radeon 540X
8th Gen Intel Core i3-8145U processor (4 MB cache, 2 core count/4 threads, 2.1 GHz to 3.9 GHz, 15 W TDP)	Intel UHD Graphics 620	NA

# Memory

**Table 5. Memory specifications**

Feature	Specifications
Minimum memory configuration	4 GB
Maximum memory configuration	32 GB
Number of slots	2 x SoDIMM slots
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	Dual-channel DDR4
Speed	2666 MHz Non-ECC SDRAM operates at 2400 MHz with Intel 8 <sup>th</sup> Gen processors

# Storage

**Table 6. Storage specifications**

Type	Form factor	Interface	Capacity
PCIe Solid-State Drive	M.2 2230 SSD	PCIe Gen 3x2 NVMe, up to 32 Gbps	Upto 512 GB
PCIe Solid-State Drive	M.2 2280 SSD	PCIe Gen 3x4 NVMe, up to 32 Gbps	Upto 1 TB
SATA Solid-State Drive	M.2 2280 SSD	SATA Class 20	Upto 512 GB
SED PCIe Solid-State Drive	M.2 2280 SSD	SED PCIe	Upto 512 GB
HDD	2.5 in.	SATA	<ul style="list-style-type: none"> <li>Upto 1 TB; 5400 RPM</li> <li>Upto 1 TB; 7200 RPM</li> </ul>

# System board connectors

**Table 7. System board connectors**

Feature	Specifications
M.2 Connectors	<ul style="list-style-type: none"> <li>One M.2 2230 Key-E connector</li> <li>One M.2 2280 Key-E connector</li> <li>One M.2 3042 Key-B connector</li> </ul>

# Media card-reader

**Table 8. Media-card reader specifications**

Feature	Specifications
Type	MicroSD Card - supports up to 2 TB

# Audio

**Table 9. Audio specifications**

Feature	Specifications
Controller	Realtek ALC3204 with Waves MaxxAudio Pro
Stereo conversion	24-bit DAC (Digital-to-Analog) and ADC (Analog-to-Digital)
Type	HD Audio
Speakers	Two
Interface	Internal: <ul style="list-style-type: none"> <li>Intel HDA (high-definition audio)</li> </ul> External: <ul style="list-style-type: none"> <li>7.1 channel output via HDMI</li> <li>Digital microphone input on camera module</li> <li>Headset combo jack (stereo headphones/microphone-in)</li> </ul>

**Table 9. Audio specifications (continued)**

Feature	Specifications
Internal speaker amplifier	Integrated in ALC3204 (Class-D 2 W)
External volume controls	Media-control shortcut keys
Speaker output:	Average: 2 W Peak: 2.5 W
Microphone	Digital-array microphones

## Video card


**Table 10. Video card specifications**

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 i7-8665U CPU (vPro)</li> <li>Intel Core i5-8365U CPU</li> <li>Intel Core i5-8265U CPU</li> <li>Intel Core i3-8145U CPU</li> </ul>	Integrated	Shared system memory	HDMI 1.4b port	4096 x 2304 @24 Hz
AMD Radeon 540X	Discrete	NA	GDDR5	2 GB	N/A	N/A

## Camera

**Table 11. Camera specifications**

Feature	Specifications
Camera Type	RGB, HD fixed focus
IR Camera	6 mm IR camera (optional)
Resolution	Still image: HD resolution (1280 x 720) Video: HD resolution (1280 x 720) at 30 fps
Diagonal viewing angle	IR: 87 degree RGB: 78.6 degree
Sensor type	CMOS sensor technology

 **NOTE:** The RGB + IR camera is for Windows Hello application only and other applications cannot use it.

# Communication

**Table 12. Communication specifications**

Feature	Specifications
Network adapter	Integrated Connection I219-V 10/100/1000 Mb/s Ethernet (RJ-45 ) <ul style="list-style-type: none"> <li>• 8th Generation Intel® Core i5-8365U</li> <li>• 8th Generation Intel® Core i7-8665U</li> </ul> Integrated Connection I217-LM 10/100/1000 Mb/s Ethernet (RJ-45 ) <ul style="list-style-type: none"> <li>• 8th Generation Intel® Core i3-8145U</li> <li>• 8th Generation Intel® Core i5-8265U</li> </ul>

# Mobile Broadband

**Table 13. Mobile Broadband**

Specifications
Intel XMM 7360 Global LTE-Advanced

# Wireless

**Table 14. Wireless specifications**

Specifications
Intel Dual Band Wireless AC 9560 (802.11ac) 2x2 + Bluetooth 5.0
Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter + Bluetooth 4.2
Intel Wi-Fi 6 AX200 2x2 .11ax 160 MHz + Bluetooth 5.0 (Optional)

# Ports and connectors

**Table 15. Ports and connectors**

Feature	Specifications
Memory card reader	<ul style="list-style-type: none"> <li>• One MicroSD card reader</li> </ul>
SIM card reader	One micro SIM card slot
USB	<ul style="list-style-type: none"> <li>• Three USB 3.1 Gen 1 (Type-A) ports</li> <li>• One USB Type-C 3.1 Gen 2 port with DisplayPort/Thunderbolt 3(optional)</li> </ul>
Security	Noble wedge lock slot
Audio	One headset (headphone and microphone combo) port
Video	One HDMI 1.4b port (supports up to 4k @30 Hz)

**Table 15. Ports and connectors (continued)**

Feature	Specifications
Network adapter	RJ-45, 10/100/1000, with LED indicator

## Display

**Table 16. Display specifications**

Feature	Specifications
Type	<ul style="list-style-type: none"> <li>14 in. HD (1366 x 768), antiglare (16:9), WLED, non-touch, 220 nits</li> <li>14 in. FHD Wide viewing angle (1920 x 1080), antiglare (16:9) WLED, non-touch, 220 nits</li> <li>14 in. FHD Wide viewing angle (1920 x 1080), Embedded touch display with antiglare, 220 nits (optional)</li> </ul>
Height (Active area)	173.95 mm (6.84 in.)
Width (Active area)	309.4 mm (12.18 in.)
Diagonal	355.6 mm (14 in.)
Pixels Per Inch (PPI)	112 (HD) 157 (FHD)
Contrast ratio	400:1 (HD) 700:1 (FHD)
Luminance/Brightness (typical)	220 Nits
Refresh rate	60 Hz
Horizontal viewing angle (min)	+/- 40 degrees (HD) +/- 80 degrees (FHD) (optional)
Vertical viewing angle (min)	10/30 degrees U/D (HD) +/- 80 degrees (FHD)(optional)
Power consumption (max)	2.4 W (HD) 2.8 W (FHD) 3.15 W (FHD touch panel)

## Keyboard

**Table 17. Keyboard specifications**


Feature	Specifications
Number of keys	<ul style="list-style-type: none"> <li>81 (U.S. and Canada)</li> <li>82 (UK/Brazil)</li> <li>85 (Japan)</li> </ul>
Size	Full sized

**Table 17. Keyboard specifications (continued)**

Feature	Specifications
	<ul style="list-style-type: none"><li>• X= 19.05 mm (0.75 in.) key pitch</li><li>• Y= 19.05 mm (0.75 in.) key pitch</li></ul>
Backlit keyboard	Optional (backlit and Non-backlit)
Layout	QWERTY

## Touchpad

**Table 18. Touchpad specifications**

Feature	Specifications
Resolution	1221 x 661
Dimensions	<ul style="list-style-type: none"><li>• Width: 101.7 mm (4.00 in.)</li><li>• Height: 55.2 mm (2.17 in.)</li></ul>
Multi-touch	Supports 5-finger multi-touch  <b>NOTE:</b> For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at <a href="https://support.microsoft.com/4027871">support.microsoft.com</a> .

## Fingerprint reader—optional

**Table 19. Fingerprint reader specifications**

Feature	Specifications
Type	FPR in power button
Sensor technology	Capacitive
Sensor resolution	363 PPI
Sensor area	Diameter: 10 mm

## Operating system

**Table 20. Operating system**

Feature	Specifications
Operating systems supported	<ul style="list-style-type: none"><li>• Windows 10 Home (64 bit)</li><li>• Windows 10 Professional (64bit)</li><li>• Ubuntu 18.04 LTS (64 bit)</li><li>• NeoKylin 6.0 SP4 (PRTS)</li></ul>

# Battery

**Table 21. Battery**

Feature	Specifications					
Type	3-cell lithium-ion (42 WHr) ExpressCharge		3-cell lithium-ion (51 WHr) ExpressCharge		4-cell lithium-ion (68 WHr) ExpressCharge	
Dimension	Width	95.9 mm (3.78 in.)	Width	95.9 mm (3.78 in.)	Width	95.9 mm (3.78 in.)
	Depth	181 mm (7.13 in.)	Depth	181 mm (7.13 in.)	Depth	233 mm (9.17 in.)
	Height	7.05 mm (0.28 in.)	Height	7.05 mm (0.28 in.)	Height	7.05 mm (0.28 in.)
Weight (maximum)	200 g (0.44 lb)		250 g (0.55 lb)		340 g (0.75 lb)	
Voltage	11.40 VDC		11.40 VDC		7.6 VDC	
Life span	300 discharge/charge cycles		300 discharge/charge cycles		300 discharge/charge cycles (standard pack) 1000 discharge/charge cycles (LCL pack)	
Charging time when the computer is off (approximate)	Standard charge	0°C to 50°C: 4 hours	Standard charge	0°C to 50°C: 4 hours	Standard charge	0°C to 50°C: 4 hours
	Express Charge	0°C to 15°C: 4 hours	Express Charge	0°C to 15°C: 4 hours	Express Charge	0°C to 15°C: 4 hours
		16°C to 45°C: 2 hours		16°C to 45°C: 2 hours		16°C to 45°C: 2 hours
	46°C to 50°C: 3 hours		46°C to 50°C: 3 hours		46°C to 50°C: 3 hours	
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.		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	
Temperature range: Operating	Charge: 0°C to 50°C, 32°F to 122°F Discharge: 0°C to 60°C, 32°F to 139°F		Charge: 0°C to 50°C (32°F to 122°F) Discharge: -20°C to 60°C (-40°F to 139°F)		Charge: 0°C to 50°C, 32°F to 122°F Discharge: 0°C to 60°C, 32°F to 139°F	
Temperature range: Storage	-20°C to 60°C (-4°F to 140°F)		-20°C to 60°C (-40°F to 140°F)		-20°C to 60°C (-4°F to 140°F)	
Coin-cell battery	CR-2032		CR-2032		CR-2032	

# Power adapter

**Table 22. Power adapter specifications**

Feature	Specifications	
Type	E5 65 W	E5 90 W



**Table 22. Power adapter specifications (continued)**

Feature	Specifications	
Input Voltage	100 VAC - 240 VAC	100 VAC - 240 VAC
Input current (maximum)	1.5 A	1.6 A
Adapter size	Dimensions In Inches: 0.87 x 2.60 x 4.17 In mm: 22 x 66 x 106	Dimensions In Inches: 0.87 x 2.60 x 5.12 In mm: 22 x 66 x 130
Barrel	7.4 mm	7.4 mm
Weight	0.23 kg (0.51 lb)	0.32 kg (0.70 lb)
Input frequency	50 Hz to 60 Hz	50 Hz to 60 Hz
Output current	3.34 A (continuous)	4.62 A (continuous)
Rated output voltage	19.5 VDC	19.5 VDC
Temperature range (Operating)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Temperature range (Non-Operating)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

## Sensor and control specifications

**Table 23. Sensor and control specifications**

Specifications
1. Free fall sensor on motherboard
2. Hall Effect Sensor (Detects when the lid is closed)

## Dimensions and weight

**Table 24. Dimensions and weight**

Feature	Specifications
Height	Front: 19.6 mm (0.77 in.) Rear: 20.85 mm (0.82 in.)
Width	323.05 mm (12.7 in.)
Depth	216 mm (8.5 in.)
Weight	1.48 kg (3.26 lb)

## Computer environment

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

**Table 25. Computer environment**

	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) <i>i</i> <b>NOTE:</b> Maximum dew point temperature = 26°C	0% to 95% (non-condensing) <i>i</i> <b>NOTE:</b> Maximum dew point temperature = 33°C
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

**Table 26. Security**

Feature	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on the system board
Firmware TPM	Optional
Windows Hello Support	Yes, optional fingerprint on power button Optional IR camera
Cable lock	Wedge-shaped lock
Dell Smartcard Keyboard	Optional
FIPS 140-2 certification for TPM	Yes
ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification	Yes, for FPR, SC and CSC/NFC
Fingerprint Reader Only	Touch Fingerprint reader in power button tied to ControlVault 3
Contacted Smart Card and ControlVault 3	FIPS 201 Smart card reader certification/SIPR

## Security options—Contacted smartcard reader

**Table 27. Contacted smartcard reader**

Title	Description	Dell ControlVault 3 Smartcard reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5V powered smartcard	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3V powered smartcard	Yes

**Table 27. Contacted smartcard reader (continued)**

Title	Description	Dell ControlVault 3 Smartcard reader
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8V powered smartcard	Yes
ISO 7816-1 Compliant	Specification for the reader	Yes
ISO 7816 -2 Compliant	Specification for smartcard 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) smartcard standards as posted to <a href="http://www.emvco.com">www.emvco.com</a>	Yes
EMVCo Certified	Formally certified based on EMVCO smartcard 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 Microsoft WHCK	Yes
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/HSPD-12 requirements	Yes


## Security options—Contactless smartcard reader

**Table 28. Contactless smartcard reader**

Title	Description	Dell ControlVault 3 Contactless Smartcard reader with NFC
Felica Card Support	Reader and software capable of supporting Felica contactless cards	Yes
ISO 14443 Type A Card Support	Reader and software capable of supporting ISO 14443 Type A contactless cards	Yes
ISO 14443 Type B Card Support	Reader and software capable of supporting ISO 14443 Type B contactless cards	Yes
ISO/IEC 21481	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO/IEC 18092	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO 15693 Card Support	Reader and software capable of supporting ISO15693 contactless cards	Yes

**Table 28. Contactless smartcard reader (continued)**

Title	Description	Dell ControlVault 3 Contactless Smartcard reader with NFC
NFC Tag Support	Supports reading and processing of NFC compliant tag information	Yes
NFC Reader Mode	Support for NFC Forum Defined Reader mode	Yes
NFC Writer Mode	Support for NFC Forum Defined Writer mode	Yes
NFC Peer-to-Peer Mode	Support for NFC Forum Defined Peer to Peer mode	Yes
EMVCo Compliant	Compliant with EMVCO smartcard standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smartcard standards	Yes
NFC Proximity OS Interface	Enumerates NFP (Near Field Proximity) device for OS to utilize	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 Microsoft WHCK	Yes
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes
Prox (Proximity) (125kHz) Card support	Reader and software capable of supporting Prox/Proximity/125kHz contactless cards	No

 **NOTE:** 125 KHz proximity cards are not supported.

**Table 29. Supported cards**

Manufacturer	Card	Supported
HID	jCOP readertest3 A card (14443a)	Yes
	1430 1L	
	DESFire D8H	
	iClass (Legacy)	
	iClass SEOS	
NXP/Mifare	Mifare DESFire 8K White PVC Cards	Yes
	Mifare Classic 1K White PVC Cards	
	NXP Mifare Classic S50 ISO Card	
G&D	idOnDemand - SCE3.2 144K	Yes
	SCE6.0 FIPS 80K Dual+ 1 K Mifare	
	SCE6.0 nonFIPS 80K Dual+ 1 K Mifare	
	SCE6.0 FIPS 144K Dual + 1K Mifare	

**Table 29. Supported cards (continued)**

Manufacturer	Card	Supported
	SCE6.0 nonFIPS 144K Dual + 1 K Mifare	
	SCE7.0 FIPS 144K	
Oberthur	idOnDemand - OCS5.2 80K	Yes
	ID-One Cosmo 64 RSA D V5.4 T=0 card	

## Security Software

**Table 30. Security Software specifications**

Specifications
Dell Client Command Suite
Optional Dell Data Security and Management Software
Dell Client Command Suite
Dell BIOS Verification
Optional Dell Endpoint Security and Management Software
VMware Carbon Black Endpoint Standard
VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response
Dell Encryption Enterprise
Dell Encryption Personal
Carbonite
VMware Workspace ONE
Absolute® Endpoint Visibility and Control
Netskope
Dell Supply Chain Defense