# Latitude 3540

## Technical Guidebook

Regulatory Model: P170G
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## Notes, cautions, and warnings

**NOTE:** A NOTE indicates important information that helps you make better use of your product.

**CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

**WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

# Contents

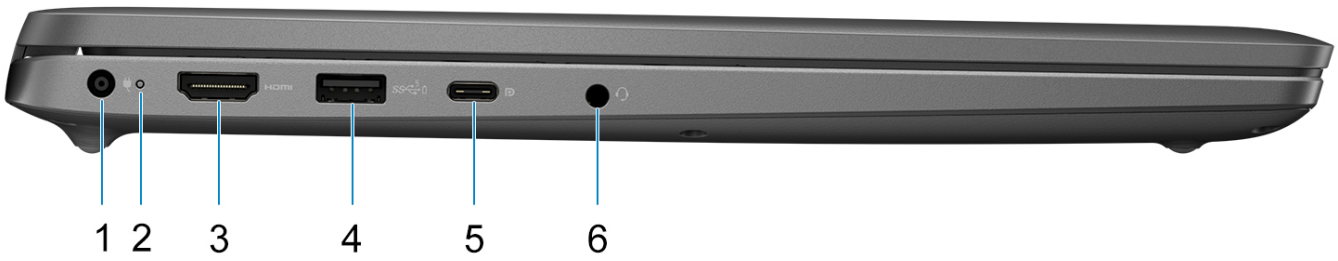
# 1

# Views of Latitude 3540

## Right


1. microSIM card slot (optional)
2. USB 3.2 Gen 1 port
3. RJ-45 ethernet port
4. Ethernet status LED
5. Wedge-shaped lock slot

## Left

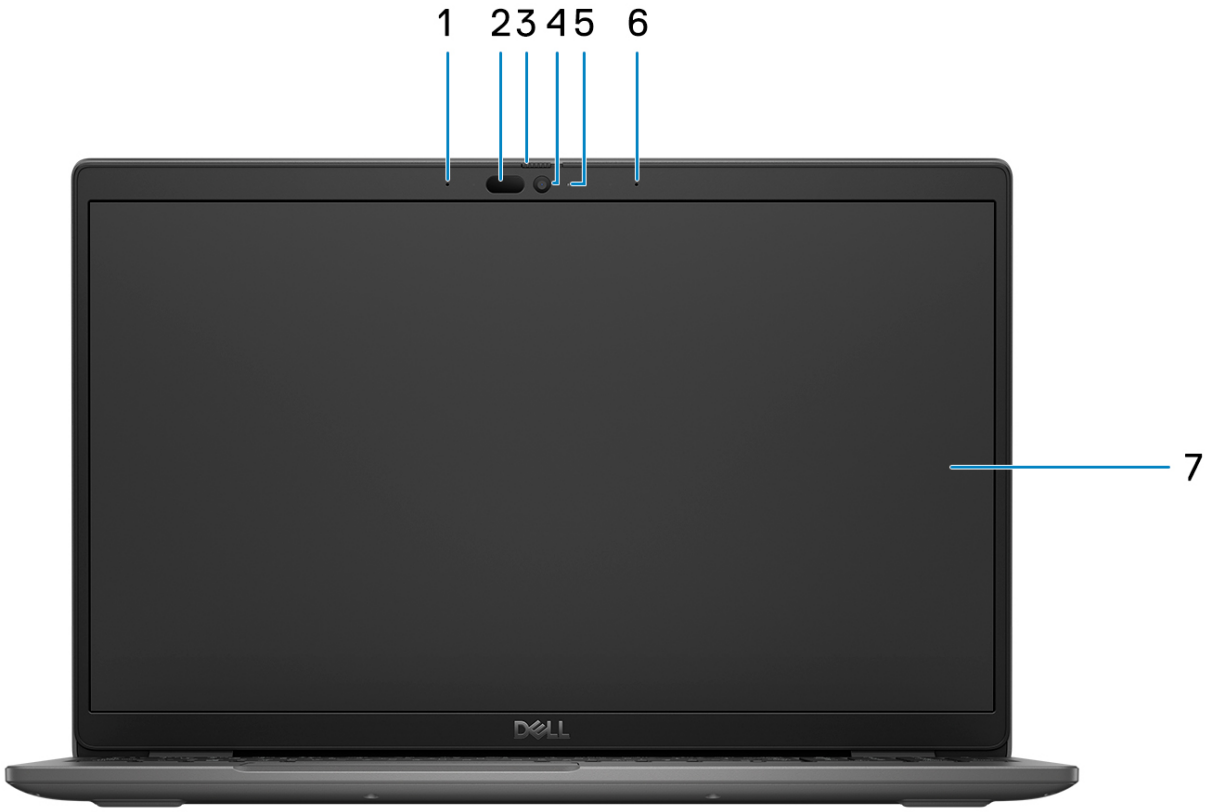



1. DC-in port (4.5 mm)
2. Battery-status light/Diagnostic-status light
3. HDMI 1.4 port
4. USB 3.2 Gen 1 port with PowerShare
5. USB 3.2 Gen 2 Type-C port with Power Delivery and DisplayPort Alt mode
6. Universal audio port

# Top

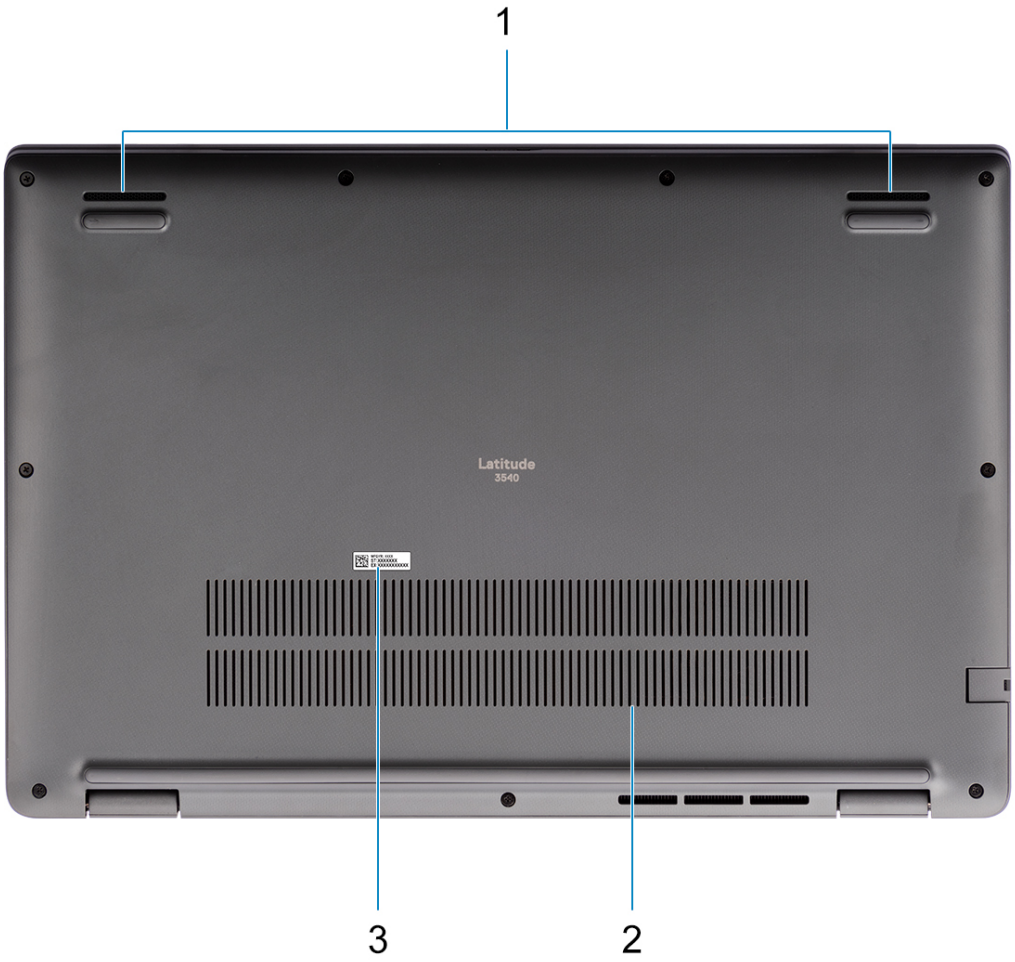

1. Power button with optional fingerprint reader
2. Keyboard
3. Touchpad

# Display




1. Digital-array microphone
2. IR camera and emitter (optional)
3. Camera shutter
4. RGB camera (HD/FHD)
5. Camera status LED
6. Digital-array microphone
7. LCD panel

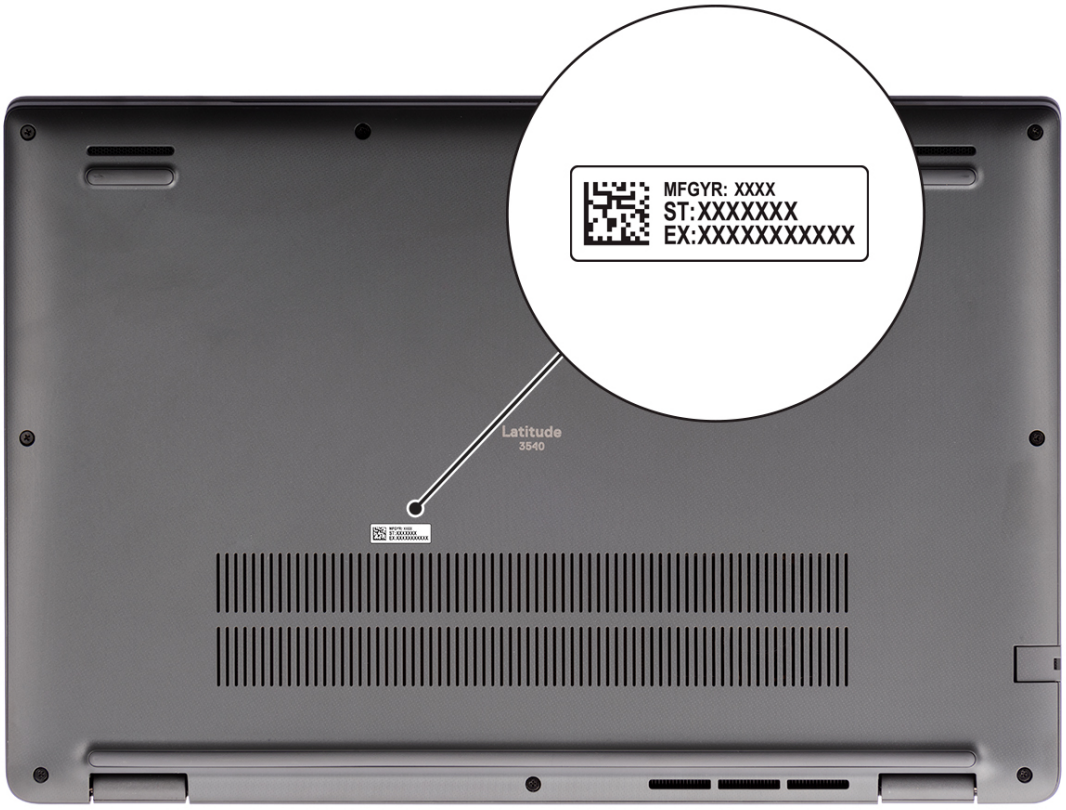
# Bottom




1. Speaker mesh
2. Air vents
3. Service Tag and regulatory labels

# Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.




# Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 3540.

### Table 1. Battery charge and status light behavior

| Power Source | LED Behavior | System Power State | Battery Charge Level |
|---|---|---|---|
| AC Adapter | Off | S0 - S5 | Fully Charged |
| AC Adapter | Solid White | S0 - S5 | < Fully Charged |
| Battery | Off | S0 - S5 | 11-100% |
| Battery | Solid Amber (590+/-3 nm) | S0 - S5 | < 10% |

- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, expect for a trickle power. The context data is written to a hard drive.
- S5 (OFF) - The system is in a shutdown state.

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# Specifications of Latitude 3540

## Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 3540.

### Table 2. Dimensions and weight

| Description | UMA configuration | Discrete configuration |
|---|---|---|
| Height: | | |
| Front height | 0.71 in. (18.13 mm) | 0.71 in. (18.13 mm) |
| Rear height | 0.80 in. (20.40 mm) | 0.84 in. (21.41 mm) |
| Width | 14.13 in. (359 mm) | 14.13 in. (359 mm) |
| Depth | 9.43 in. (239.69 mm) | 9.43 in. (239.69 mm) |
| Weight<br>**NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability. | • Minimum—1.81 kg (3.99 lbs) | • Minimum—1.86 kg (4.10 lbs) |

## Processor

The following table lists the details of the processors that are supported by your Latitude 3540.

### Table 3. Processor

| Description | Option one | Option two | Option three | Option four | Option five | Option six | Option seven | Option eight |
|---|---|---|---|---|---|---|---|---|
| Processor type | 12th Generation Intel Celeron 7305 | 12th Generation Intel Core i3-1215U | 12th Generation Intel Core i5-1235U | 12th Generation Intel Core i5-1245U | 13th Generation Intel Core i3-1315U | 13th Generation Intel Core i5-1335U | 13th Generation Intel Core i5-1345U | 13th Generation Intel Core i7-1355U |
| Processor wattage | 15 W | 15 W | 15 W | 15 W | 15 W | 15 W | 15 W | 15 W |
| Processor core count | 5 | 6 | 10 | 10 | 6 | 10 | 10 | 10 |
| Processor thread count | 5 | 8 | 12 | 12 | 8 | 12 | 12 | 12 |
| Processor speed | Up to 1.10 GHz | Up to 4.40 GHz | Up to 4.40 GHz | Up to 4.40 GHz | Up to 4.50 GHz | Up to 4.60 GHz | Up to 4.70 GHz | Up to 5.00 GHz |
| Processor cache | 8 MB | 10 MB | 12 MB | 12 MB | 10 MB | 12 MB | 12 MB | 12 MB |

### Table 3. Processor (continued)

| Description | Option one | Option two | Option three | Option four | Option five | Option six | Option seven | Option eight |
|---|---|---|---|---|---|---|---|---|
| Integrated graphics | Intel UHD Graphics | Intel UHD 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 3540

### Table 4. Chipset

| Description | Option one | Option two |
|---|---|---|
| Processors | 12th Generation Intel Celeron processor 7305 and 12th Generation Intel Core i3 | 13th Generation Intel Core i3/i5/i7 |
| Chipset | Intel ADL-U (integrated with the processor) | Intel RPL-U (integrated with the processor) |
| DRAM bus width | 64 bit | 64 bit |
| Flash EPROM | 32 MB | 32 MB |
| PCIe bus | Up to Gen 4.0 | Up to Gen 4.0 |

# Operating system

Your Latitude 3540 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Home, 64-bit
- Windows 10 Pro (Windows 11 Pro Downgrade)
- Ubuntu 22.04 LTS, 64-bit

# Memory

The following table lists the memory specifications of your Latitude 3540.

### Table 5. Memory specifications

| Description | Values |
|---|---|
| Memory slots | Two |
| Memory type | DDR4, single-channel, dual-channel |
| Memory speed | 3200 MT/s |
| Maximum memory configuration | 64 GB |
| Minimum memory configuration | 8 GB |
| Memory size per slot | 8 GB, 16 GB, 32 GB |
| Memory configurations supported | • 8 GB, DDR4, 3200 MT/s |

### Table 5. Memory specifications (continued)

| Description | Values |
|---|---|
| | • 16 GB, DDR4, 3200 MT/s<br>• 32 GB, DDR4, 3200 MT/s<br>• 64 GB, DDR4, 3200 MT/s |

# External ports

The following table lists the external ports of your Latitude 3540.

### Table 6. External ports

| Description | Values |
|---|---|
| Network port | One Flip-down RJ 45 10/100/1000 Mbps |
| USB ports | • One USB 3.2 Gen 2 Type-C port with Power Delivery and DisplayPort Alt mode<br>• One USB 3.2 Gen 1 port with PowerShare<br>• Two USB 3.2 Gen 1 port |
| Audio port | One universal audio port |
| Video port | One HDMI 1.4 port |
| SIM card slot | One microSIM-card slot (for WWAN configurations only) |
| Power-adapter port | One DC-in port (4.5 mm standard plug/USB-C port) |
| Security-cable slot | One wedge-shaped lock slot |

# Internal slots

The following table lists the internal slots of your Latitude 3540.

### Table 7. Internal slots

| Description | Values |
|---|---|
| M.2 | • One M.2 (2280 or 2230) for solid-state drive<br>• One M.2 3042 slot for WWAN card<br>• One M.2 2230 slot for WLAN card<br>**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. |

# Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Latitude 3540.

### Table 8. Ethernet specifications

| Description | Values |
|---|---|
| Model number | RTL8111H-CG |

### Table 8. Ethernet specifications (continued)

| Description | Values |
|---|---|
| Transfer rate | 10/100/1000 Mbps |

# Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Latitude 3540.

### Table 9. Wireless module specifications

| Description | Option one | Option two |
|---|---|---|
| Model number | Intel AX211 | Realtek RTL8852BE |
| Transfer rate | Up to 2400 Mbps | Up to 1200 Mbps |
| Frequency bands supported | 2.4 GHz/5 GHz/6 GHz | 2.4 GHz/5 GHz |
| Wireless standards | • WiFi 802.11a/b/g<br>• Wi-Fi 4 (WiFi 802.11n)<br>• Wi-Fi 5 (WiFi 802.11ac)<br>• Wi-Fi 6E (WiFi 802.11ax)<br>• Wi-Fi 6 (WiFi 802.11ax) | • WiFi 802.11a/b/g<br>• Wi-Fi 4 (WiFi 802.11n)<br>• Wi-Fi 5 (WiFi 802.11ac)<br>• Wi-Fi 6 (WiFi 802.11ax) |
| Encryption | • 64-bit/128-bit WEP<br>• AES-CCMP<br>• TKIP | • 64-bit/128-bit WEP<br>• AES-CCMP<br>• TKIP |
| Bluetooth wireless card | Bluetooth 5.3 | Bluetooth 5.3 |
| | **NOTE:** The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer. | |

# WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 3540.

### Table 10. WWAN module specifications

| Description | Values |
|---|---|
| Model number | Inter(R) XMM7560 R+LTE-A (DW5823e) |
| Form factor | M.2 S3 KEY-B |
| Host interface | PCIe Gen 2 |
| Network standard | • LTE FDD/TDD, WCDMA/HSPA+<br>• GPS/GLONASS/Beidou/Galileo |
| Transfer rate | • Downlink:<br>• LTE FDD: 1 Gbps (Cat16)<br>• LTE TDD: 756 Mbps (Cat 16)<br>• UMTS: 384 Kbps |

### Table 10. WWAN module specifications (continued)

| Description | Values |
|---|---|
| | • DC-HSPA+: 42 Mbps (Cat24)<br>• Uplink:<br>• LTE FDD: 150 Mbps (Cat13)<br>• LTE TDD: 90 Mbps (Cat13)<br>• UMTS: 384 Kbps<br>• DC-HSPA+: 5.76 Mbps (Cat6) |
| Operating frequency bands | • LTE FDD (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66, B71)<br>• LTE TDD (B34, B38, B39, B40, B41, B42, B43, B46 (receiver only), B48)<br>• WCDMA (B1, B2, B4, B5, B8) |
| Power supply | DC 3.135 V to 4.4 V, Typical 3.3 V |
| SIM card | Supported through external or internal SIM-card slot |
| eSIM with Dual SIM (DSSA) | Supported (The availability of eSIM functionality embedded on the module is dependent on the region and specific carrier requirements) |
| Antenna Diversity | Supported |
| Radio On/Off | Supported |
| Wake On Wireless | Not supported |
| Temperature | • Normal operating temperature: -10 °C to +55 °C<br>• Extended operating temperature: -20 °C to +65 °C<br>• Storage Temperature: -40 °C to +85 °C |
| Antenna connector | • WWAN Main Antenna x 1<br>• WWAN Diversity Antenna x 1 |
| **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 3540.

### Table 11. Audio specifications

| Description | Values |
|---|---|
| Audio controller | Realtek ALC3204 |
| Stereo conversion | Supported with Waves MaxxAudio Pro |
| Internal audio interface | High definition audio interface |
| External audio interface | One universal audio port |
| Number of speakers | Two |
| Internal-speaker amplifier | Supported (audio codec integrated) |
| External volume controls | Supported |

### Table 11. Audio specifications (continued)

| Description | | Values |
|---|---|---|
| Speaker output: | | |
| | Average speaker output | 2 W x 2 = 4 W |
| | Peak speaker output | 2.5 W x 2 = 5 W |
| Subwoofer output | | Not supported |
| Microphone | | Digital-array microphone |

# Storage

This section lists the storage options on your Latitude 3540.

One M.2 2230/2280 solid-state drive

### Table 12. Storage specifications

| Storage type | Interface type | Capacity |
|---|---|---|
| M.2 2230 Class 35 SSD | PCIe NVMe Gen4 x4 | Up to 1 TB |
| M.2 2280 Class 40 SSD | PCIe NVMe Gen4 x4 | Up to 1 TB |

# Keyboard

The following table lists the keyboard specifications of your Latitude 3540.

### Table 13. Keyboard specifications

| Description | Values |
|---|---|
| Keyboard type | • Standard backlit keyboard without fingerprint reader<br>• Standard backlit keyboard with fingerprint reader<br>• Standard non-backlit keyboard without fingerprint reader<br>• Standard non-backlit keyboard with fingerprint reader |
| Keyboard layout | QWERTY |
| Number of keys | • United States and Canada: 99 keys<br>• United Kingdom: 100 keys<br>• Japan: 103 keys |
| Keyboard size | X=18.05 mm key pitch<br>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.<br>**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 3540.

### Table 14. Camera specifications

| Description | | Values |
|---|---|---|
| Number of cameras | | One |
| Camera type | | • HD RGB<br>• FHD RGB<br>• FHD RGB + IR |
| Camera location | | Front camera |
| Camera sensor type | | CMOS sensor technology |
| Camera resolution: | | |
| | Still image | • 0.92 megapixels (HD)<br>• 2.07 megapixels (FHD) |
| | Video | • 1280 x 720 (HD) at 30 fps<br>• 1920 x 1080 (FHD) at 30 fps |
| Infrared camera resolution: | | |
| | Still image | 0.23 megapixel |
| | Video | 640 x 360 at 15 fps |
| Diagonal viewing angle: | | |
| | Camera | • 78.6 degrees (HD)<br>• 80 degrees (FHD) |
| | Infrared camera | 86.6 degrees |

# Touchpad

The following table lists the touchpad specifications of your Latitude 3540.

### Table 15. Touchpad specifications

| Description | | Values |
|---|---|---|
| Touchpad resolution: | | >300 dpi |
| Touchpad dimensions: | | |
| | Horizontal | 115 mm |
| | Vertical | 67 mm |
| 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 3540.

### Table 16. Power adapter specifications

| Description | Option one | Option two | Option three |
|---|---|---|---|
| Type | 60 W AC adapter, USB-C | 65 W AC adapter, 4.5 mm barrel | 65 W adapter USB-C |
| Connector dimensions: | | | |
| External diameter | N/A | 4.50 mm | N/A |
| Internal diameter | N/A | 2.90 mm | N/A |
| Power-adapter dimensions: | | | |
| Height | 22 mm (0.86 in.) | 29 mm (1.14 in.) | 28 mm (1.10 in.) |
| Width | 55 mm (2.16 in.) | 47 mm (1.85 in.) | 51 mm (2.01 in.) |
| Depth | 66 mm (2.59 in.) | 108 mm (4.25 in.) | 112 mm (4.41 in.) |
| Input voltage | 100 VAC to 240 VAC | 100 VAC - 240 VAC | 100 VAC - 240 VAC |
| Input frequency | 50 Hz to 60 Hz | 50 Hz - 60 Hz | 50 Hz - 60 Hz |
| Input current (maximum) | 1.70 A | 1.60 A/1.70 A | 1.70 A |
| Output current (continuous) | • 20 V/3 A<br>• 15 V/3 A<br>• 9 V/3 A<br>• 5 V/3 A | 3.34 A | • 20 V/3.25 A (Continuous)<br>• 15 V/3 A (Continuous)<br>• 9.0 V/3 A (Continuous)<br>• 5.0 V/3 A (Continuous) |
| Rated output voltage | • 20 VDC<br>• 15 VDC<br>• 9 VDC<br>• 5 VDC | 19.50 VDC | • 20 VDC<br>• 15 VDC<br>• 9 VDC<br>• 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) | 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) |

**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 3540.

### Table 17. Battery specifications

| Description | | Option one | Option two | Option three | Option four |
|---|---|---|---|---|---|
| Battery type | | 3-cell, 42 Wh, Lithium-ion, ExpressCharge | 3-cell, 54 Wh, Lithium-ion, ExpressCharge | 3-cell, 42 Wh, Long Life Cycle, ExpressCharge 1.0 | 3-cell, 54 Wh, Long Life Cycle, ExpressCharge 1.0 |
| Battery voltage | | 11.4 V | 11.4 V | 15 V | 11.4 V |
| Battery weight (maximum) | | 0.19 kg | 0.22 kg | 0.19 kg | 0.22 kg |
| Battery dimensions: | | | | | |
| | Height | 5.73 mm | 5.73 mm | 5.73 mm | 5.73 mm |
| | Width | 263 mm | 263 mm | 263 mm | 263 mm |
| | Depth | 79.42 mm | 79.42 mm | 79.42 mm | 79.42 mm |
| Temperature range: | | | | | |
| | Operating | 0°C to 45°C (32°F to 113°F) | 0°C to 45°C (32°F to 113°F) | 0°C to 45°C (32°F to 113°F) | 0°C to 45°C (32°F to 113°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 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. | Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions. |
| Battery charging time (approximate)<br>**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, *Me and My Dell* on www.dell.com. | | • 0~15°C—4 hours (when the computer is off)<br>• 16~45°C—2 hours (when the computer is off)<br>• 46~50°C—3 hours(when the computer is off) | • 0~15°C—4 hours (when the computer is off)<br>• 16~45°C—2 hours (when the computer is off)<br>• 46~50°C—3 hours(when the computer is off) | • 0~15°C—4 hours (when the computer is off)<br>• 16~45°C—2 hours (when the computer is off)<br>• 46~50°C—3 hours(when the computer is off) | • 0~15°C—4 hours (when the computer is off)<br>• 16~45°C—2 hours (when the computer is off)<br>• 46~50°C—3 hours(when the computer is off) |
| Coin-cell battery | | CR2032 | CR2032 | CR2032 | CR2032 |

**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 3540.

### Table 18. Display specifications

| Description | | Option one | Option two | Option three |
|---|---|---|---|---|
| Display type | | 15-inch, High Definition (HD) | 15-inch, Full High Definition (FHD) | 15-inch, Full High Definition (FHD) |
| Touch options | | No | No | Yes |
| Color | | 262,144 | 262,144 | 262,144 |
| Panel type | | 6 bit | 6 bit | 6 bit |
| Display-panel technology | | Twisted nematic | Wide Viewing Angle (WVA)/In Plane Switching (IPS) | Wide Viewing Angle (WVA)/In Plane Switching (IPS) |
| Display-panel dimensions (active area): | | | | |
| | Height | 344.16 mm | 344.16 mm | 344.16 mm |
| | Width | 193.59 mm | 193.59 mm | 193.59 mm |
| | Diagonal | 394.87 mm | 394.87 mm | 394.87 mm |
| Display-panel native resolution | | 1366 x 768 | 1920 x 1080 | 1920 x 1080 |
| Luminance (typical) | | 220 nits | 250 nits | 250 nits |
| Megapixels | | 1.05 megapixel | 2.07 megapixel | 2.07 megapixel |
| Color gamut | | 45% (NTSC) | 45% (NTSC) | 45% (NTSC) |
| Pixels Per Inch (PPI) | | 100 | 141 | 141 |
| Contrast ratio (typical) | | 400:1 | 600:1 | 500:1 |
| Response time (max) | | 25 ms | 35 ms | 35 ms |
| Refresh rate | | 60 Hz | 60 Hz | 60 Hz |
| Horizontal view angle | | 45 +/- degrees | 85 +/- degrees | 85 +/- degrees |
| Vertical view angle | | 35 +/- degrees | 85 +/- degrees | 85 +/- degrees |
| Pixel pitch | | 0.252 (H)*0.252 (V) | 0.17925 (H)* 0.17925 (V) | 0.17925 (H)* 0.17925 (V) |
| Power consumption (maximum) | | 3.75 W | 4.6 W | 4.7 W |
| Anti-glare vs glossy finish | | Anti-glare | Anti-glare | Anti-glare |

# Fingerprint reader

The following table lists the fingerprint-reader specifications of your Latitude 3540.

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

### Table 19. Fingerprint reader specifications

| Description | Values |
|---|---|
| Fingerprint-reader sensor technology | Capacitive |
| Fingerprint-reader sensor resolution | 500 ppi |
| Fingerprint-reader sensor pixel size | 108 x 88 pixel |

# Sensor

The following table lists the sensor of your Latitude 3540.

### Table 20. Sensor

| Sensor support |
|---|
| Adaptive Thermal Performance-Applicable only for discrete graphics |

# GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 3540.

### Table 21. GPU—Integrated

| Controller | Memory size | Processor |
|---|---|---|
| Intel UHD Graphics | Shared system memory | 12$^{th}$ Generation Intel Core i3, Celeron |
| Intel Iris Xe Graphics | Shared system memory | 13$^{th}$ Generation Intel Core i3/i5/i7 |

# GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Latitude 3540.

### Table 22. GPU—Discrete

| Controller | Memory size | Memory type |
|---|---|---|
| Nvidia GeForce MX550 | 2 GB | GDDR6 |

# Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 3540.

### Table 23. 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 UHD Graphics | Integrated | 3 | 4 |
| Intel Iris Xᵉ Graphics | Integrated | 3 | 4 |
| NVIDIA GeForce MX550 | MS Hybrid | 3 | 4 |

# Hardware security

The following table lists the hardware security of your Latitude 3540.

### Table 24. Hardware security

| Hardware security |
|---|
| One wedge-shaped lock slot |
| TPM 2.0 discrete- Not supported for 12th Generation Intel Celeron 7305, 8 MB cache, 5 cores, 5 threads, up to 1.10 GHz |
| FIPS 140-2 certification for TPM |
| TCG Certification for TPM (Trusted Computing Group) |
| Chassis Intrusion Detection |
| BIOS - TPM clear and/or system boot lock after chassis intrusion detection |
| RPMC (specify via SPI Flash or eRPMC) |
| SPI Flash Tamper Detection / Prevention Shunt Circuit |

# Operating and storage environment

This table lists the operating and storage specifications of your Latitude 3540.

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

### Table 25. 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) | 90% (non-condensing) | 95% (non-condensing) |
| Vibration (maximum)* | 0.66 GRMS | NA |
| Shock (maximum) | 140 G† | NA |
| Altitude range | -15.2 m to 3048 m (-49.8 ft to 10000 ft) | -15.2 m to 10668 m (-49.8 ft to 35000 ft) |

### Table 25. Computer environment (continued)

| Description | Operating | Storage |
|---|---|---|
| **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.

# 3

# Engineering specifications

## Ethernet

## Wireless module

### Realtek RTL8852BE, 2x2 MIMO, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.3

The following table lists the Realtek RTL8852BE, specifications.

**Table 26. Realtek RTL8852BE specifications**

| | |
|---|---|
| Host interface | • Wi-Fi - PCIe<br>• Bluetooth - USB |
| Network standard | IEEE 802.11a/b/g/n/ac/ax, MIMO |
| Wi-Fi Alliance certifications | • Wi-Fi certified a/b/g/n/ac/ax<br>• WMM<br>• WPA<br>• WPA2<br>• WPA3<br>• Wi-Fi Direct (Windows only) |
| Operating frequency bands | • 2.4 Ghz<br>• 5 Ghz |
| Data rate | • 2.4 GHz 40M: Up to 574 Mbps<br>• 5 GHz 80M: Up to 1201 Mbps |
| Power consumption | Optimized power modes (sleep states) reduce power consumption during periods of inactivity |
| Authentication | • Open<br>• Shared<br>• WPA<br>• WPA2 |
| Client utility | Native Wi-Fi and Bluetooth Microsoft UI support |
| Software support | • Microsoft WHQL certified for Windows<br>• Linux |
| Radio On/Off | Supported |
| Roaming | Support seamless roaming between access points |
| Wake on wireless | Supported |
| Wireless display | Native Miracast support by Windows |
| Wireless PAN standard | • Dual Mode Bluetooth 5.3<br>• BLE |

### Table 26. Realtek RTL8852BE specifications (continued)

| | |
|---|---|
| Bluetooth data rates | Up to 3 Mbps |
| Bluetooth operating frequency bands | 2.4 GHz |
| Bluetooth profiles supported | Support for Microsoft Inbox Bluetooth profiles in Windows |
| Bluetooth data encryption | 128-bit encryption |
| Operating temperature | -10°C to + 70°C |
| Storage temperature | -40°C to +85°C |

## Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth 5.3

The following table lists the Intel AX211 specifications.

**NOTE:** Wi-Fi 6 is supported in regions where Wi-Fi 6E is unavailable.

### Table 27. Intel AX211 specifications

| | |
|---|---|
| Host interface | CNVio |
| Network standard | IEEE 802.11a/b/g/n/ac/ax, 160 MHz channel use, MU-MIMO, new 6 GHz band |
| Wi-Fi Alliance certifications | Wi-Fi CERTIFIED 6, Wi-Fi CERTIFIED a/b/g/n/ac,WMM, WMM-Power Save, WPA2, WPA3, WPS, PMF,Wi-Fi Direct, Wi-Fi Agile Multiband<br>**NOTE:** Other names and brands may be claimed as the property of others. |
| Operating frequency bands | • 2.4 GHz<br>• 5 GHz<br>• 6 GHz |
| Data rate | • 2.4 GHz 40M: Up to 574 Mbps<br>• 5/6 GHz 80M: Up to 1.2 Gbps<br>• 5/6 GHz 160M: Up to 2.4 Gbps |
| Power consumption | Optimized power modes (sleep states) reduce power consumption during periods of inactivity |
| Security methods | • WPA2 Personal and Enterprise<br>• WPA3 |
| Authentication protocols | • 802.1X EAP-TLS<br>• EAP-TTLS/MSCHAPv2<br>• PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA) |
| Encryption | • 64-bit and 128-bit WEP<br>• TKIP<br>• 128-bit AES-CCMP<br>• 256-bit AES-GCMP |
| Product safety | • UL<br>• C-UL<br>• CB (IEC60950-1) |
| Management capabilities alerting | Support for Intel AMT |
| Government compliance | • FIPS 140-2 |

**Table 27. Intel AX211 specifications (continued)**

| | |
|---|---|
| | • FISMA |
| Client utility | Intel PRO/Set wireless software v22 and later |
| Antenna diversity | Supported |
| Radio On/Off | Supported |
| Roaming | Support seamless roaming between access points |
| Wake on wireless | Supported |
| Wireless display | Native Miracast support by Windows |
| Wireless PAN standard | • Dual Mode Bluetooth 5.3<br>• BLE |
| Bluetooth data rates | Up to 3 Mbps |
| Bluetooth operating frequency bands | 2.4 GHz |
| Bluetooth profiles supported | Support for Microsoft Inbox Bluetooth profiles in Windows |
| Bluetooth data encryption | 128-bit encryption |
| Bluetooth output power | Power class 1 |
| Operating temperature | 0°C to + 50°C (Full performance at shield temperatures up to 80°C) |
| Storage temperature | -40°C to +70°C |
| Humidity | Up to 90% RH non-condensing (at temperatures of 25°C to 35°C) |

# WWAN module

## Intel XMM 7560R+ Global LTE-Advanced

The following table lists the Intel XMM 7560R+ Global LTE-Advanced specifications.

**Table 28. Intel XMM 7560R+ Global LTE-Advanced specifications**

| | |
|---|---|
| Form factor | M.2 3042 Key-B |
| Host interface | PCIe Gen 2 |
| Network standard | • LTE FDD/TDD, WCDMA/HSPA+<br>• GPS/GLONASS/Beidou/Galileo |
| Transfer rate | • Downlink:<br>• LTE FDD: 1 Gbps (Cat16)<br>• LTE TDD: 756 Mbps (Cat 16)<br>• UMTS: 384 Kbps<br>• DC-HSPA+: 42 Mbps (Cat24)<br>• Uplink:<br>• LTE FDD: 150 Mbps (Cat13)<br>• LTE TDD: 90 Mbps (Cat13)<br>• UMTS: 384 Kbps<br>• DC-HSPA+: 5.76 Mbps (Cat6) |
| Operating frequency bands | • LTE FDD (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B66, B71) |

### Table 28. Intel XMM 7560R+ Global LTE-Advanced specifications (continued)

| | |
|---|---|
| | • LTE TDD (B34, B38, B39, B40, B41, B42, B43, B46 (receiver only), B48)<br>• WCDMA (B1, B2, B4, B5, B8) |
| Power supply | DC 3.135 V to 4.4 V, Typical 3.3 V |
| SIM card | Supported through external SIM slot |
| eSIM with Dual SIM (DSSA) | Supported (The availability of eSIM functionality embedded on the module is dependent on the region and specific carrier requirements) |
| Antenna diversity | Supported |
| Radio On/Off | Supported |
| Wake on wireless | Not supported |
| Normal operating temperature | -10 °C to +55 °C |
| Extended operating temperature | -20 °C to +65 °C |
| Antenna connector | • WWAN Main Antenna X 1<br>• WWAN Diversity Antenna X 1 |

# GPU—Integrated

## Intel UHD Graphics

The following table lists the Intel UHD Graphics specifications.

### Table 29. Intel UHD Graphics specifications

| | |
|---|---|
| Bus type | Integrated graphics<br>**NOTE:** Intel UHD Graphics uses the computers memory as video memory. |
| Memory type | Unified Memory Architecture (UMA) |
| Memory interface | Not applicable |
| Processor graphics | i3/i5/i7 |
| Estimated maximum power consumption (TDP) | 15 W, included in the CPU power |
| Maximum vertical refresh rate | • HDMI 2.1: 4096 x 2160 @ 60 Hz, 24bpp<br>• Max Digital: 4096 x 2304 @ 60 Hz, 24bpp |
| Multiple display support | Up to 4 displays via DisplayPort Multi-Streaming Technology (MST) |

## Intel Iris Xᵉ Graphics

The following table lists the Intel Iris Xᵉ Graphics specifications.

### Table 30. Intel Iris Xᵉ Graphics specifications

| | |
|---|---|
| Bus type | Integrated graphics<br>**NOTE:** Intel Iris Xᵉ Graphics uses the computers memory as video memory. |

### Table 30. Intel Iris Xᵉ Graphics specifications (continued)

| | |
|---|---|
| Memory type | Unified Memory Architecture (UMA)<br>**NOTE:** Requires 128-bit dual-channel memory |
| Memory interface | Not applicable |
| Processor graphics | i5/i7 |
| Estimated maximum power consumption (TDP) | 15 W, included in the CPU power |
| Maximum vertical refresh rate | • HDMI 2.1: 4096 x 2160 @ 60 Hz, 24bpp<br>• Max Digital: 4096 x 2304 @ 60 Hz, 24bpp |
| Multiple display support | Up to 4 displays via DisplayPort Multi-Streaming Technology (MST) |

# GPU—Discrete

## NVIDIA GeForce MX550, 2 GB, GDDR6

The following table lists the NVIDIA GeForce MX550 specifications.

### Table 31. NVIDIA GeForce MX550 specifications

| Feature | Values |
|---|---|
| GPU | Nvidia GeForce MX550 |
| Cores | 2G |
| Memory bandwidth | 96 Gbps |
| Memory type | GDDR6 |
| Memory size | 2 GB |
| Memory interface | 64-bit |
| TGP | 30 W |
| GPU base clock | 1065 MHz |
| GPU boost clock | 1320 MHz |
| Vram clock | • P0 - 6001 MHz<br>• P3 - 5501 MHz<br>• P5 - 810 MHz<br>• P8 - 405 MHz |
| PCIe | Gen 4 x 4 |

# Video port and resolution matrix

The following table lists the Video port and resolution matrix of your Latitude 3540.

### Table 32. Video port and resolution matrix

| Port type | DP++ 1.4/HDCP 2.3 port (UMA and Discrete Graphics) | HDMI-OUT port—HDMI 1.4b (UMA Graphics) | HDMI-OUT port—HDMI 2.0 (Discrete Graphics) |
|---|---|---|---|
| Maximum resolution—single display | 4096 x 2304 @ 60 Hz | 4096 x 2160 @ 30 Hz | 4096 x 2160 @ 60 Hz |
| Maximum resolution—dual MST | 4096 x 2304 @ 60 Hz, 1400 x 1050 @ 60 Hz or 2880 x 1800 @ 60 Hz, 2880 x 1800 @ 60 Hz | Not applicable | Not applicable |
| Maximum resolution—triple MST | 4096 x 2304 @ 60 Hz, 1360 x 768 @ 60 Hz, 640 x 480 @ 60 Hz or 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz | Not applicable | Not applicable |

# Storage

## M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

### Table 33. 256 GB SSD specifications

| | |
|---|---|
| Capacity | 256 GB |
| Height (approximate) | 3.5 mm (0.17 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |
| MTTF | 1.4M hours |
| Logical blocks | 500,118,192 |
| **Power source** | |
| Power consumption (reference only) | • Idle: 5 mW (PS4)<br>• Active: 4 W |
| **Environmental operating conditions (non-condensing)** | |
| Temperature range | 0°C to 70°C |
| Relative humidity range | 10% to 90% |
| Op shock | 1500G |
| **Environmental non-operating conditions (non-condensing)** | |
| Temperature range | -40°C to 70°C |
| Relative humidity range | 5% to 95% |

# M.2 2230, 512 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 512 GB SSD specifications.

### Table 34. 512 GB SSD specifications

| | |
|---|---|
| Capacity | 512 GB |
| Height (approximate) | 3.5 mm (0.17 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |
| MTTF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| **Power source** | |
| Power consumption (reference only) | • Idle: 5 mW (PS4)<br>• Active: 4 W |
| **Environmental operating conditions (non-condensing)** | |
| Temperature range | 0°C to 70°C |
| Relative humidity range | 10% to 90% |
| Op shock | 1500G |
| **Environmental non-operating conditions (non-condensing)** | |
| Temperature range | -40°C to 70°C |
| Relative humidity range | 5% to 95% |

# M.2 2230, 1 TB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 1 TB SSD specifications.

### Table 35. 1 TB SSD specifications

| | |
|---|---|
| Capacity | 1 TB |
| Height (approximate) | 3.5 mm (0.17 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| **Power source** | |
| Power consumption (reference only) | • Idle: 5 mW (PS4)<br>• Active: 4 W |
| **Environmental operating conditions (non-condensing)** | |
| Temperature range | 0°C to 70°C |

### Table 35. 1 TB SSD specifications (continued)

| | |
|---|---|
| Relative humidity range | 10% to 90% |
| Op shock | 1500G |
| **Environmental non-operating conditions (non-condensing)** | |
| Temperature range | -40°C to 70°C |
| Relative humidity range | 5% to 95% |

## M.2 2280, 512 GB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 512 GB SSD specifications.

### Table 36. 512 GB SSD specifications

| | |
|---|---|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.17 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| **Power source** | |
| Power consumption (reference only) | • Idle: 5 mW (PS4 - L1.2)<br>• Active: 5 W |
| **Environmental operating conditions (non-condensing)** | |
| Temperature range | 0°C to 70°C |
| Relative humidity range | 10% to 90% |
| Op shock | 1500G |
| **Environmental non-operating conditions (non-condensing)** | |
| Temperature range | -40°C to 70°C |
| Relative humidity range | 5% to 95% |

## M.2 2280, 1 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 1 TB SSD specifications.

### Table 37. 1 TB SSD specifications

| | |
|---|---|
| Capacity | 1 TB |
| Height (approximate) | 2.38 mm (0.17 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |

### Table 37. 1 TB SSD specifications (continued)

| | |
|---|---|
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| **Power source** | |
| Power consumption (reference only) | • Idle: 5 mW (PS4 - L1.2)<br>• Active: 5 W |
| **Environmental operating conditions (non-condensing)** | |
| Temperature range | 0°C to 70°C |
| Relative humidity range | 10% to 90% |
| Op shock | 1500G |
| **Environmental non-operating conditions (non-condensing)** | |
| Temperature range | -40°C to 70°C |
| Relative humidity range | 5% to 95% |

# Power adapter

The following table lists the power adapter specifications of your Latitude 3440.

### Table 38. Power adapter specifications

| Description | Values | | |
|---|---|---|---|
| Type | 60 W AC adapter, USB-C | 65 W AC adapter, 4.5 mm barrel | 65 W adapter USB-C |
| Connector dimensions: | | | |
| External diameter | N/A | 4.50 mm | N/A |
| Internal diameter | N/A | 2.90 mm | N/A |
| Input voltage | 100 VAC to 240 VAC | 100 VAC - 240 VAC | 100 VAC - 240 VAC |
| Input frequency | 50 Hz to 60 Hz | 50 Hz - 60 Hz | 50 Hz - 60 Hz |
| Input current (maximum) | 1.70 A | 1.60 A/1.70 A | 1.70 A |
| Output current (continuous) | • 20 V/3 A<br>• 15 V/3 A<br>• 9 V/3 A<br>• 5 V/3 A | 3.34 A | • 20 V/3.25 A (Continuous)<br>• 15 V/3 A (Continuous)<br>• 9.0 V/3 A (Continuous)<br>• 5.0 V/3 A (Continuous) |
| Rated output voltage | • 20 VDC<br>• 15 VDC<br>• 9 VDC<br>• 5 VDC | 19.50 VDC | • 20 VDC<br>• 15 VDC<br>• 9 VDC<br>• 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) | 0°C to 40°C (32°F to 104°F) |

### Table 38. Power adapter specifications (continued)

| Description | Values | | |
|---|---|---|---|
| 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) |
| **Compliance** | | | |
| Erp Lot3 Tier 2 requirement | Yes | Yes | Yes |
| Energy Star 8.0 compliant | Yes | Yes | Yes |
| GS mark compliant | NA | NA | NA |
| NCTC Anti Power Surge certification | NA | NA | NA |
| NCTC Anti Lightning Strike certification | NA | NA | NA |

# Accessories

The following table lists the supported accessories on your Latitude 3540.

### Table 39. Accessories

| Accessories |
|---|
| **Audio:**<br>Dell Pro Stereo Headset |
| **Adapters:**<br>Dell 7-in-1 USB-C Multiport Adapter |
| **Carrying case:**<br>● Dell Pro Slim Backpack 15<br>● Dell Pro Slim Briefcase 15 |
| **Dock:**<br>Dell WD19S 130 W USB-C Dock |
| **Mouse:**<br>Dell Mobile Wireless Mouse |
| **Keyboard:**<br>Dell Pro Wireless Keyboard and Mouse |
| **Monitor:**<br>● Dell 24 USB- C Hub Monitor<br>● Dell 27 Monitor |
| **Pen:**<br>Dell Active Pen |
| **Webcam**<br>Dell Pro Webcam |

# Security

## Software security

The following table lists the software security details of your Latitude 3540.

### Table 40. Software security

| Security options |
|---|
| McAfee Generic Build 30-day Commercial (optional) |
| McAfee Generic Build 30-day Commercial Japan (optional) |
| McAfee Generic Build 12-month Commercial |
| McAfee Generic Build 12-month Commercial Japan |
| McAfee Generic Build 36-month Commercial |
| McAfee Generic Build 36-month Commercial Japan |
| McAfee Small Business Security 30 day trial (optional) |
| McAfee Small Business Security 30 day trial Japan |
| McAfee Small Business Security 12-month (optional) |
| McAfee Small Business Security 12-month Japan (optional) |
| McAfee Small Business Security 24-month (optional) |
| McAfee Small Business Security 24-month Japan (optional) |
| McAfee Small Business Security 36-month (optional) |
| McAfee Small Business Security 36-month Japan (optional) |

## Fingerprint reader

The following table lists the fingerprint reader specifications of your Latitude 3540.

### Table 41. Fingerprint reader specifications

| | |
|---|---|
| **Category** | Goodix - GF5288WNC |
| **Sensor technology** | Capacitive sensing |
| **Sensor resolution** | 500 ppi |
| **Sensor size** | 5.49 mm x 4.47 mm |
| **Sensor pixel size** | 108 x 88 pixels |
| **Dell ControlVault support** | No |
| **Dell ControlVault 3.0 support** | No |
| **Anti-spoofing** | Yes |
| **Template storage** | Yes |
| **Match on chip** | Yes |
| **FIPS 201 certified** | No |

# Thermal specifications

The following table lists the thermal specifications of your Latitude 3540.

### Table 42. Thermal specifications

| | |
|---|---|
| Heat pipe Direct Contact design | Increase the heat capacity to improve thermal dissipation |
| Better system tuning/setting | Get higher performance and good user experience |
| Pro-OS enhanced thermal setting (Dynamic PL1) | Increases boot-up time |
| Linear fan control | Fan speed ramp more smoothly for better user experience, no more significant acoustic changing |
| DDT SSD setting | Protecting the SSD device in high temperature and worse cases to prevent blue screen of death (BSOD) |
| IEC 60529 ingress protection: IP5X | Dust protected |

# System management features

Dell commercial systems come with a number of systems management options that are include by default for In-Band management with our Dell Client Command Suite. In-Band management meaning that the Operating System is functional and the device is connected to a network so that it can be managed. The Dell Client Command Suite of tools can be leveraged individually or with a systems management console like SCCM, LANDESK, KACE, etc.

We also offer Out-of-Band management as an option. Out-of-band management is when the system does not have a functional operating system or is turned off and you still want to be able to manage the system in that state.

## Dell Client Command Suite for In-Band systems management

**Dell Client Command Suite** is a free toolkit available for download, for all Latitude Rugged tablets at dell.com/support, that automates and streamlines systems management tasks, saving time, money, and resources. It consists of the following modules that can be used independently, or with a variety of systems management consoles such as SCCM.

Dell Client Command Suite's integration with VMware Workspace ONE Powered by AirWatch, now allows customers to manage their Dell client hardware from the cloud, using a single Workspace ONE console.

**Dell Command | Deploy** enables easy operating system (OS) deployment across all major OS deployment methodologies and provides numerous system-specific drivers that have been extracted and reduced to an OS-consumable state.

**Dell Command I Configure** is a graphical user interface (GUI) admin tool for configuring and deploying hardware settings in a pre-OS or post-OS environment, and it operates seamlessly with SCCM and Airwatch and can be self-integrated into LANDesk and KACE. Simply, this is all about the BIOS. Command I Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

**Dell Command I PowerShell Provider** can do the same things as Command I Configure, but with a different method. PowerShell is a scripting language that allows customers to create a customized and dynamic configuration process.

**Dell Command I Monitor** is a Windows Management Instrumentation (WMI) agent that provides IT admins with an extensive inventory of the hardware and health-state data. Admins can also configure hardware remotely by using command line and scripting.

**Dell Command | Update (end-user tool)** is factory-installed and allows admins to individually manage and automatically present and install Dell updates to the BIOS, drivers, and software. Command I Update eliminates the time-consuming hunting and pecking process of update installation.

**Dell Command I Update Catalog** provides searchable metadata that allows the management console to retrieve the latest system-specific updates (driver, firmware or BIOS). The updates are then delivered seamlessly to end-users using the customer's systems management infrastructure that is consuming the catalog (like SCCM).

**Dell Command | vPro Out of Band** console extends hardware management to systems that are offline or have an un-reachable OS (Dell exclusive features).

**Dell Command | Integration Suite for System Center** - This suite integrates all the key components of the Client Command Suite into Microsoft System Center Configuration Manager 2012 and Current Branch versions.

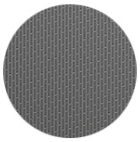
# Out of Band Systems Management

Intel Standard Manageability option **must be configured in our factory at the time of purchase, as it is NOT field upgradable.** It offers out-of-band management and DASH compliance (https://registry.dmtf.org/registry/results/field_initiative_name%3A%22DASH%201.0%22).

# 4

# Color, material, and finish

This section details the color, material, and finish (CMF) specifications of your Latitude 3540.



Soft Charcoal

**Table 43. CMF specifications**

| | |
|---|---|
| A Cover (Top) | • Plastic<br>• Molded<br>• Soft charcoal, resin<br>• Logo, PET, Soft charcoal, Die Cut |
| B Cover | • Plastic<br>• Molded<br>• Apollo, Resin<br>• Fine texture 17 um |
| C Cover (Palmrest) | • Plastic<br>• Molded<br>• Soft charcoal, Resin<br>• Fine texture 17 um |
| D Cover | • Plastic |

**Table 43. CMF specifications (continued)**

| | |
|---|---|
| | • Molded<br>• Soft charcoal, Resin<br>• Resin Bottom - Poly Shift Texture 23um<br>• Resin Side - Fine Texture 17um |

# 5

# Keyboard shortcuts of Latitude 3540

**NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift** + **2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn** + **F1**.

**NOTE:** You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

### Table 44. List of keyboard shortcuts

| Function key | Primary behavior |
|---|---|
| F1 | Mute audio |
| F2 | Decrease volume |
| F3 | Increase volume |
| F4 | Mute mic |
| F5 | Click keyboard backlight (optional).<br>**NOTE:** Non-backlight keyboards have F5 function key without the backlight icon and do not support toggle keyboard backlight function.<br>**NOTE:** Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight |
| F6 | Decrease brightness |
| F7 | Increase brightness |
| F8 | Switch to external display |
| F10 | Print screen |
| F11 | Home |
| F12 | End |

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

### Table 45. Secondary behavior

| Function key | Secondary behavior |
|---|---|
| Fn + F1 | Operating system and application specific F1 behavior |
| Fn + F2 | Operating system and application specific F2 behavior |
| Fn + F3 | Operating system and application specific F3 behavior |
| Fn + F4 | Operating system and application specific F4 behavior |

**Table 45. Secondary behavior (continued)**

| Function key | Secondary behavior |
|---|---|
| Fn + F5 | Operating system and application specific F5 behavior |
| Fn + F6 | Operating system and application specific F6 behavior |
| Fn + F7 | Operating system and application specific F7 behavior |
| Fn + F8 | Operating system and application specific F8 behavior |
| Fn + F10 | Operating system and application specific F10 behavior |
| Fn + F11 | Operating system and application specific F11 behavior |
| Fn + F12 | Operating system and application specific F12 behavior |
| Fn + PrtScr | Turn off/on wireless |
| Fn + B | Pause |
| Fn + Ctrl + B | Break |
| Fn + Insert | Sleep |
| Fn + S | Toggle scroll lock |
| Fn + H | Toggle between power and battery-status light/hard-drive activity light |
| Fn + R | System request |
| Fn + Ctrl | Open application menu |
| Fn + Esc | Toggle Fn-key lock |
| Fn + PgUp | Page up |
| Fn + PgDn | Page down |
| Fn + Home | Home |
| Fn + End | End |
| Fn + Right Ctrl | Shortcut/Secondary menu assigned to right Ctrl key |
| Fn + Shift + B | Calls unobtrusive mode<br>**NOTE:**<br>The key sequence will call unobtrusive mode. The hotkey sequence will be disabled by default to prevent accidental actuation. You may enable through BIOS setup option. |

# 6

# Getting help and contacting Dell

## Self-help resources

You can get information and help on Dell products and services using these self-help resources:

**Table 46. Self-help resources**

| Self-help resources | Resource location |
|---|---|
| Information about Dell products and services | www.dell.com |
| Tips |  |
| Contact Support | In Windows search, type `Contact Support`, and press Enter. |
| Online help for operating system | www.dell.com/support/windows<br>www.dell.com/support/linux |
| Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents. | Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support.<br>For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer. |
| Dell knowledge base articles for a variety of computer concerns | 1. Go to www.dell.com/support.<br>2. On the menu bar at the top of the Support page, select **Support** > **Knowledge Base**.<br>3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles. |

## Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

**NOTE:** Availability varies by country/region and product, and some services may not be available in your country/region.

**NOTE:** If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.