

Latitude 5540

Owner's Manual

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.

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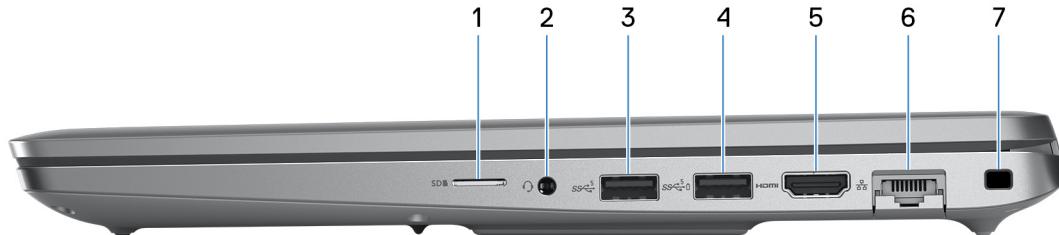
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Views of Latitude 5540

Right



1. microSD-card slot

Reads from and writes to the microSD-card.

2. Universal audio jack

Connect headphones or a headset (headphone and microphone combo).

3. USB 3.2 Gen 1 port

Connect devices such as external storage devices and printers. Provides data transfer speeds up to 5 Gbps.

4. USB 3.2 Gen 1 port with PowerShare

Connect devices such as external storage devices and printers.

Provides data transfer speeds up to 5 Gbps. PowerShare enables you to charge your USB devices even when your computer is turned off.

i **NOTE:** If the charge on your computer's battery is less than 10 percent, you must connect the power adapter to charge your computer, and USB devices connected to the PowerShare port.

i **NOTE:** If a USB device is connected to the PowerShare port before the computer is turned off or in hibernate state, you must disconnect and connect it again to enable charging.

i **NOTE:** Certain USB devices may not charge when the computer is turned off or in sleep state. In such cases, turn on the computer to charge the device.

5. HDMI 2.0 port

Connect to a TV, external display or another HDMI-in enabled device. Provides video and audio output.

6. Network port

Connect an Ethernet (RJ-45) cable from a router or a broadband modem for network or Internet access, with a transfer rate of 10/100/1000 Mbps.

7. Security-cable slot (wedge-shaped)

Connect a security cable to prevent unauthorized movement of your computer.

Left



1. Thunderbolt 4.0 port with Power Delivery and DisplayPort

Supports USB4, DisplayPort 1.4, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4.

i **NOTE:** You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

i **NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

i **NOTE:** USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

i **NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

2. Thunderbolt 4.0 port with Power Delivery and DisplayPort

Supports USB4, DisplayPort 1.4, Thunderbolt 4 and also enables you to connect to an external display using a display adapter. Provides data transfer rates of up to 40 Gbps for USB4 and Thunderbolt 4.

i **NOTE:** You can connect a Dell Docking Station to the Thunderbolt 4 ports. For more information, search in the Knowledge Base Resource at www.dell.com/support.

i **NOTE:** A USB Type-C to DisplayPort adapter (sold separately) is required to connect a DisplayPort device.

i **NOTE:** USB4 is backward compatible with USB 3.2, USB 2.0, and Thunderbolt 3.

i **NOTE:** Thunderbolt 4 supports two 4K displays or one 8K display.

3. Battery-status light

Indicates the battery-charge status.

Solid yellow—Battery charge is low.

Blinking yellow—Battery charge is critical.

4. Smart-card reader slot (optional)

Top



1. Power button with optional fingerprint reader

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

When the computer is turned on, press the power button to put the computer into sleep state; press and hold the power button for 10 seconds to force shut-down the computer.

If the power button has a fingerprint reader, place your finger on the power button steadily to log in.

i **NOTE:** The power-status light on the power button is available only on computers without the fingerprint reader. Computers that are shipped with the fingerprint reader that is integrated on the power button will not have the power-status light on the power button.

i **NOTE:** You can customize the power-button behavior in Windows.

2. Keyboard

3. Fingerprint reader (optional)

Press your finger on the fingerprint reader to log in to your computer. The fingerprint reader enables your computer to recognize your fingerprints as a password.

i **NOTE:** Configure the fingerprint reader to register your fingerprint and enable access.

4. NFC/Contactless smart card reader (optional)

5. Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click and two fingers tap to right-click.

Front



1. Left microphone

Provides digital sound input for audio recording and voice calls.

2. Infrared emitter (optional)

Emits infrared light, which enables the infrared camera to sense and track motion.

3. Infrared camera (optional)

Enhances security when paired with Windows Hello face authentication.

4. Camera shutter

Slide the privacy shutter to the left to access the camera lens.

5. Camera

Enables you to video chat, capture photos, and record videos.

6. Camera-status light

Turns on when the camera is in use.

7. Ambient-light sensor

The sensor detects the ambient light and automatically adjusts the display brightness.

8. Right microphone

Provides digital sound input for audio recording and voice calls.

Back

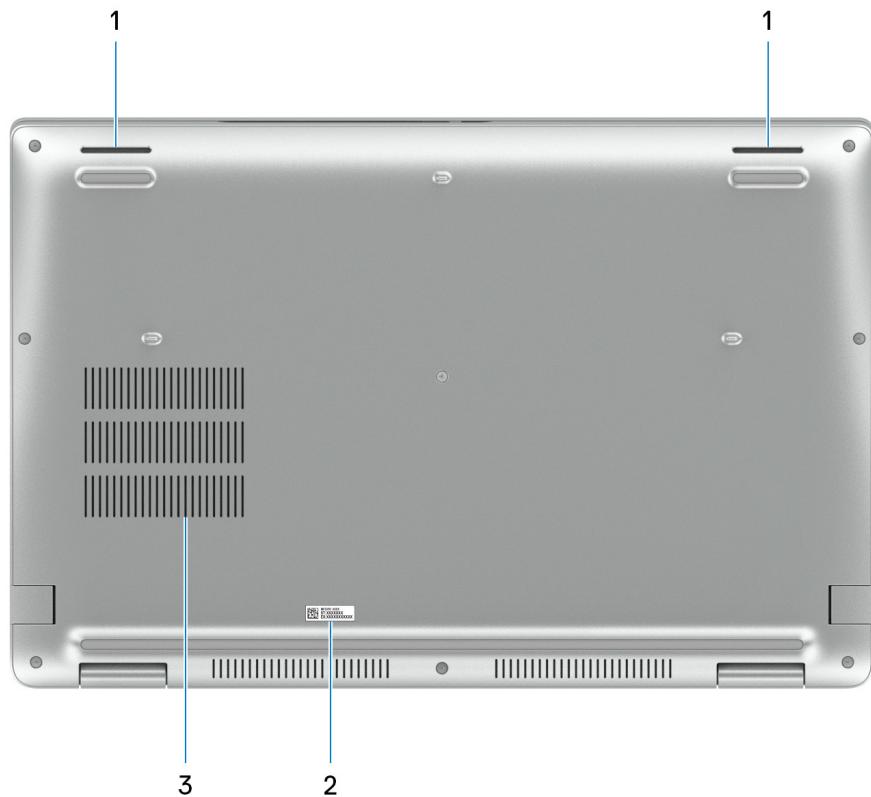


1. Nano-SIM card slot (optional)

Insert a nano-SIM card to connect to a mobile broadband network.

(i) NOTE: Availability of the nano-SIM card slot depends on the region and configuration ordered.

Bottom



1. Speakers

Provide audio output.

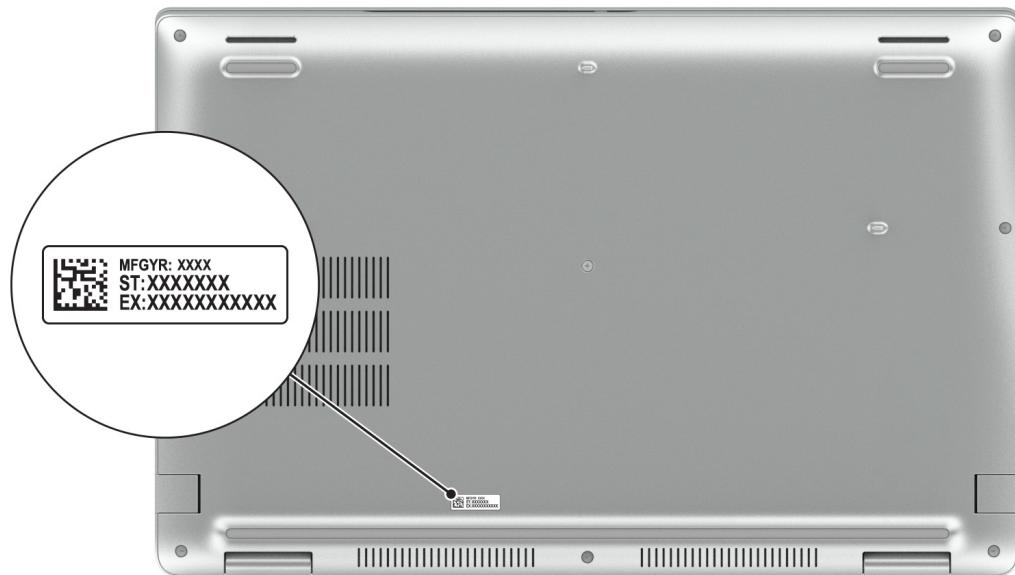
2. Service Tag label

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

3. Fan vents

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 5540.

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, except for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The system is in a shutdown state.

Set up your Latitude 5540

About this task

i **NOTE:** The images in this document may differ from your computer depending on the configuration you ordered.

Steps

1. Connect the power adapter and press the power button.



i **NOTE:** To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

2. Finish operating system setup.

For Ubuntu:

Follow the on-screen instructions to complete the setup. For more information about installing and configuring Ubuntu, search in the Knowledge Base Resource at www.dell.com/support.

For Windows:

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends that you:

- Connect to a network for Windows updates.
- **i** **NOTE:** If connecting to a secured wireless network, enter the password for the wireless network access when prompted.
- If connected to the internet, sign-in with or create a Microsoft account. If not connected to the internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 2. Locate Dell apps

| Resources | Description |
|---|--|
|  | Dell Product Registration Register your computer with Dell. |
|  | Dell Help & Support Access help and support for your computer. |
|  | SupportAssist SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools . NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty. |
|  | Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information on using Dell Update, search in the Knowledge Base Resource at www.dell.com/support . |
|  | Dell Digital Delivery Download software applications, which are purchased but not preinstalled on your computer. For more information on using Dell Digital Delivery, search in the Knowledge Base Resource at www.dell.com/support . |

Specifications of Latitude 5540

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 5540.

Table 3. Dimensions and weight

| Description | Values |
|---|-----------------------|
| Height: | |
| Front height | 20.80 mm (0.82 in.) |
| Rear height | 22.80 mm (0.90 in.) |
| Width | 357.80 mm (14.09 in.) |
| Depth | 233.30 mm (9.19 in.) |
| Weight  NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability. | 1.613 kg (3.56 lb) |

Processor

The following table lists the details of the processors supported by your Latitude 5540.

Table 4. Processor

| Description | Option one | Option two | Option three | Option four | Option five | Option six | Option seven | Option eight |
|-------------------------------|---|---|--|---|--|---|--|--|
| Processor type | 13 th Generation Intel Core i3-1315U | 13 th Generation Intel Core i5-1335U | 13 th Generation Intel Core i5-1345U vPro | 13 th Generation Intel Core i5-1340P | 13 th Generation Intel Core i5-1350P vPro | 13 th Generation Intel Core i7-1355U | 13 th Generation Intel Core i7-1365U vPro | 13 th Generation Intel Core i7-1370P vPro |
| Processor wattage | 15 W | 15 W | 15 W | 28 W | 28 W | 15 W | 15 W | 28 W |
| Processor total core count | 6 | 10 | 10 | 12 | 12 | 10 | 10 | 14 |
| Performance -cores | 2 | 2 | 2 | 4 | 4 | 2 | 2 | 6 |
| Efficient-cores | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Processor total thread counts | 8 | 12 | 12 | 16 | 16 | 12 | 12 | 20 |

(i) NOTE: Intel® Hyper-Threading Technology is only available on Performance-cores.

| | | | | | | | | |
|-----------------------------|--------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Processor speed | Up to 4.50 GHz | Up to 4.60 GHz | Up to 4.70 GHz | Up to 4.60 GHz | Up to 4.70 GHz | Up to 5 GHz | Up to 5.20 GHz | Up to 5.20 GHz |
| Performance-cores frequency | | | | | | | | |
| Processor base frequency | 1.20 GHz | 1.30 GHz | 1.60 GHz | 1.90 GHz | 1.90 GHz | 1.70 GHz | 1.80 GHz | 1.90 GHz |
| Maximum turbo frequency | 4.50 GHz | 4.60 GHz | 4.70 GHz | 4.60 GHz | 4.70 GHz | 5 GHz | 5.20 GHz | 5.20 GHz |
| Efficient-cores frequency | | | | | | | | |
| Processor base frequency | 0.90 GHz | 0.90 GHz | 1.20 GHz | 1.40 GHz | 1.40 GHz | 1.20 GHz | 1.30 GHz | 1.40 GHz |
| Maximum turbo frequency | 3.30 GHz | 3.40 GHz | 3.50 GHz | 3.40 GHz | 3.50 GHz | 3.70 GHz | 3.90 GHz | 3.90 GHz |
| Processor cache | 10 MB | 12 MB | 12 MB | 12 MB | 12 MB | 12 MB | 12 MB | 24 MB |
| Integrated graphics | Intel UHD Graphics | Intel Iris X ^e Graphics |

Chipset

The following table lists the details of the chipset supported by your Latitude 5540.

Table 5. Chipset

| Description | Values |
|----------------|--|
| Chipset | Integrated in the processor |
| Processor | 13 th Generation Intel Core i3/i5/i7 |
| DRAM bus width | 64-bit |
| Flash EPROM | 32 MB for non-vPro, 32 MB + 16 MB for vPro/vPro Essentials |
| PCIe bus | Up to Gen 4 |

Operating system

Your Latitude 5540 supports the following operating systems:

- Windows 11 Home, 64-bit
- Windows 11 Pro, 64-bit
- Windows 11 Pro downgrade (Win 10 Pro image FI + Win 11 Pro DPK)
- Ubuntu 22.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Latitude 5540.

Table 6. Memory specifications

| Description | Values |
|---------------------------------|--|
| Memory slots | Two-SODIMM slots |
| Memory type | <ul style="list-style-type: none">• Single-channel DDR4• Dual-channel DDR4• Single-channel DDR5• Dual-channel DDR5 |
| Memory speed | <ul style="list-style-type: none">• 3200 MT/s• 4800 MT/s• 5200 MT/s |
| Maximum memory configuration | 64 GB |
| Minimum memory configuration | 8 GB |
| Memory size per slot | 8 GB, 16 GB, or 32 GB |
| Memory configurations supported | <ul style="list-style-type: none">• 8 GB, 1 x 8 GB, DDR4, 3200 MT/s, single-channel• 16 GB, 2 x 8 GB, DDR4, 3200 MT/s, dual-channel• 16 GB, 1 x 16 GB, DDR4, 3200 MT/s, single-channel• 32 GB, 2 x 16 GB, DDR4, 3200 MT/s, dual-channel• 64 GB, 2 x 32 GB, DDR4, 3200 MT/s, dual-channel |

Table 6. Memory specifications (continued)

| Description | Values |
|-------------|--|
| | <ul style="list-style-type: none"> • 8 GB, 1 x 8 GB, DDR5, 4800 MT/s, single-channel • 16 GB, 2 x 8 GB, DDR5, 4800 MT/s, dual-channel • 16 GB, 1 x 16 GB, DDR5, 4800 MT/s, single-channel • 32 GB, 2 x 16 GB, DDR5, 4800 MT/s, dual-channel • 64 GB, 2 x 32 GB, DDR5, 4800 MT/s, dual-channel • 8 GB, 1 x 8 GB, DDR5, 5200 MT/s, single-channel • 16 GB, 2 x 8 GB, DDR5, 5200 MT/s, dual-channel • 16 GB, 1 x 16 GB, DDR5, 5200 MT/s, single-channel • 32 GB, 2 x 16 GB, DDR5, 5200 MT/s, dual-channel • 64 GB, 2 x 32 GB, DDR5, 5200 MT/s, dual-channel |

External ports

The following table lists the external ports of your Latitude 5540.

Table 7. External ports

| Description | Values |
|---------------------|---|
| Network port | One RJ-45 port |
| USB ports | <ul style="list-style-type: none"> • Two Thunderbolt 4 port Power Delivery and DisplayPort <p>i NOTE: You can connect a Dell Docking Station to this port. For more information, search in the Knowledge Base Resource at www.dell.com/support.</p> <ul style="list-style-type: none"> • One USB 3.2 Gen 1 port with PowerShare • One USB 3.2 Gen 1 port |
| Audio port | One Universal audio jack |
| Video port | One HDMI 2.0 port |
| Media-card reader | One microSD-card slot |
| Power-adapter port | USB Type-C power input |
| Security-cable slot | One security-cable slot (wedge-shaped) |

Internal slots

The following table lists the internal slots of your Latitude 5540.

Table 8. Internal slots

| Description | Values |
|-------------|---|
| M.2 | <ul style="list-style-type: none"> • One M.2 2230 slot for WiFi and Bluetooth combo card • One M.2 2230/2280 slot for solid-state drive • One M.2 2230 slot for solid-state drive • One M.2 3042/3052 for WWAN card <p>i 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.</p> |

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Latitude 5540.

Table 9. Ethernet specifications

| Description | Values |
|---------------|----------------------------|
| Model number | Intel I219-V/Intel I219-LM |
| 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 5540.

Table 10. Wireless module specifications

| Description | Option one | Option two |
|---------------------------|---|---|
| Model number | Realtek RTL8852BE | Intel AX211 |
| Transfer rate | Up to 1201 Mbps | Up to 2400 Mbps |
| Frequency bands supported | 2.4 GHz/5 GHz | 2.4 GHz/5 GHz/6 GHz |
| Wireless standards | <ul style="list-style-type: none">• WiFi 802.11a/b/g• Wi-Fi 4 (WiFi 802.11n)• Wi-Fi 5 (WiFi 802.11ac)• Wi-Fi 6 (WiFi 802.11ax) | <ul style="list-style-type: none">• WiFi 802.11a/b/g• Wi-Fi 4 (WiFi 802.11n)• Wi-Fi 5 (WiFi 802.11ac)• Wi-Fi 6E (WiFi 802.11ax) <p>NOTE: Wi-Fi 6 is supported in regions where Wi-Fi 6E is unavailable.</p> |
| Encryption | <ul style="list-style-type: none">• 64-bit/128-bit WEP• AES-CCMP• TKIP | <ul style="list-style-type: none">• 64-bit/128-bit WEP• AES-CCMP• TKIP |
| Bluetooth wireless card | Bluetooth 5.3 | Bluetooth 5.3 |
| | <p>NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.</p> | |

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 5540.

Table 11. WWAN module specifications

| Description | Option one | Option two |
|----------------|---|---|
| Model number | DW5823, Intel XMM 7560 R Global LTE-Advanced, CAT16 | DW5931e, Intel 5G 5000 Global Gigabit NR/LTE, 3GPP Release 15 |
| Form factor | M.2 3042 Key-B | M.2 3042 Key-B |
| Host interface | PCIe Gen2 | PCIe Gen3 |

Table 11. WWAN module specifications (continued)

| Description | Option one | Option two |
|---------------------------|---|---|
| Network standard | LTE FDD/TDD, WCDMA/HSPA+, GPS/GLONASS/BDS/Galileo | NR FR1(Sub6) FDD/TDD, LTE FDD/TDD, WCDMA/HSPA+, GPS/GLONASS/Galileo/BDS/QZSS |
| Transfer data rate | <ul style="list-style-type: none">• Up to 1 Gbps DL (CAT16)• Up 150 Mbps UL | <ul style="list-style-type: none">• SA: DL 4.67 Gbps/UL 1.25 Gbps• NSA: DL 3.74 Gbps/UL 700 Mbps• LTE: DL 1.6 Gbps (CAT19)/UL 150 Mbps• UMTS: DL 384 kbps/UL 384 kbps• DL DC-HSPA+: 42 Mbps (CAT24)/UL 11.5 Mbps (CAT7) |
| Operating frequency bands | <ul style="list-style-type: none">• LTE(B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41(HPUE), B42, B43, B46(receiver only), B48, B66, B71)• WCDMA/HSPA+(1, 2, 4, 5, 8) | <ul style="list-style-type: none">• NR(n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79)• LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71*)• WCDMA/HSPA+ (1, 2, 4, 5, 8) |
| Power supply | DC 3.135 V to 4.40 V, typical 3.30 V | DC 3.135 V to 4.4 V, Typical 3.3 V |
| SIM card | Supported through external SIM slot | 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) | Supported |
| Antenna diversity | Supported | Supported |
| Radio On/Off | Supported | Supported |
| Wake on wireless | Supported | Supported |
| Temperature | <ul style="list-style-type: none">• Normal operating temperature: -10°C to + 55°C• Extended Operating temperature: -20°C to +65°C | <ul style="list-style-type: none">• Normal operating temperature: -10°C to + 55°C• Extended Operating temperature: -30°C to +75°C• Storage temperature: -40°C to +85°C |
| Antenna connector | <ul style="list-style-type: none">• WWAN Main Antenna x 4• Supports 4x4 MIMO | <ul style="list-style-type: none">• WWAN Main Antenna x 4• Supports 4x4 MIMO |

 **NOTE:** For instructions on how to find your computer's IMEI (International Mobile 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 5540.

Table 12. Audio specifications

| Description | Values |
|----------------------------|--|
| Audio controller | Realtek Waves, MaxxAudio 12.0 |
| Stereo conversion | Supported |
| Internal audio interface | High definition audio interface |
| External audio interface | Universal Audio Jack/HDMI 2.0 port |
| Number of speakers | 2 |
| Internal-speaker amplifier | Not supported |
| External volume controls | Keyboard shortcut controls |
| Speaker output: | |
| Average speaker output | 2 W |
| Peak speaker output | 2 W |
| Subwoofer output | Not supported |
| Microphone | Digital-array microphones in camera assembly |

Storage

This section lists the storage options on your Latitude 5540.

Your Latitude 5540 supports one of the following options

- One M.2 2230/2280 solid-state drive or optional dual storage
 - **i | NOTE:** SSD Slot 1 on the system board supports M.2 2230 or M.2 2280 solid-state drives.
 - **i | NOTE:** SSD Slot 2 on the system board only supports M.2 2230 solid-state drives.
- One M.2 2230 self-encrypting drive

Table 13. Storage specifications

| Storage type | Interface type | Capacity |
|----------------------------|----------------------------------|------------|
| M.2 2230 solid-state drive | PCIe Gen4 x4 NVMe, up to 64 Gbps | Up to 2 TB |
| M.2 2280 solid-state drive | PCIe Gen4 x4 NVMe, up to 64 Gbps | Up to 1 TB |

Media-card reader

The following table lists the media-card reader specifications of your Latitude 5540.

Table 14. Media-card reader (standard offering)

| Media supported (Maximum capacity supported will vary by Flash Media Types) | |
|---|--|
| Media Supported | Micro Secure Digital (mSD) Micro Secure Digital High Capacity (mSDHC) Micro Secure Digital Extended Capacity (mSDXC) |
| Support Specification Versions | microSD 4.0 card |

Keyboard

The following table lists the keyboard specifications of your Latitude 5540.

Table 15. Keyboard specifications

| Description | Values |
|--------------------|---|
| Keyboard type | <ul style="list-style-type: none">Standard backlit keyboardStandard non-backlit keyboard |
| Keyboard layout | QWERTY |
| Number of keys | <ul style="list-style-type: none">English US, English International, Arabic, Canada bilingual (MUI), Chinese traditional, French-Canadian, Greek, Hebrew, Korean, Russian, Thai, Ukrainian: 99 keysFrench-Canadian Quebec, Brazilian, Belgian, Bulgarian, Czech & Slovakian (MUI), Danish, English UK, Estonian, French European, German, Hungarian, Italian, Nordic (MUI), Norwegian, Portuguese Iberian, Slovenian, Spanish (Castilian), Spanish (Latin America), Swedish/Finnish, Swiss European (MUI), Turkish, Turkish F: 100 keysJapanese: 103 keys |
| Keyboard size | X= 18.05 mm key pitch 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. NOTE: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in the BIOS setup program. |

Keyboard function keys

The **F1-F12** keys at the top of the keyboard are function keys. By default, these keys are used to perform specific functions defined by the software application in use.

You can run the secondary tasks that are indicated by the symbols on the function keys by pressing the function key with **fn**, for example, **fn** and **F1**. See the table below for the list of secondary tasks and the key combinations to run them.

(i) NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are used for tasks remain the same, regardless of the keyboard language.

(i) NOTE: You can define the primary behavior of function keys in the **Function Key Behavior** menu of the BIOS setup program.

Table 16. Secondary tasks of keyboard keys

| Key combination for task | What the task does |
|----------------------------------|--|
| fn and F1 | Operating system and application specific F1 behavior |
| fn and F2 | Operating system and application specific F2 behavior |
| fn and F3 | Operating system and application specific F3 behavior |
| fn and F4 | Operating system and application specific F4 behavior |
| fn and F5 | Operating system and application specific F5 behavior |
| fn and F6 | Operating system and application specific F6 behavior |
| fn and F8 | Operating system and application specific F8 behavior |
| fn and F9 | Operating system and application specific F9 behavior |
| fn and F10 | Operating system and application specific F10 behavior |
| fn and F11 | Operating system and application specific F11 behavior |
| fn and F12 | Operating system and application specific F12 behavior |
| fn and Right Ctrl | Open application menu |
| fn and Cursor up | Page up |
| fn and Cursor down | Page down |

Keys with alternate characters

There are other keys on your keyboard with alternate characters. The symbols that are shown at the bottom of these keys are the main characters that are displayed when the key is pressed; the symbols that are shown at the top of these keys are displayed when the key is pressed with the shift key. For example, if you press **2**, **2** is displayed; if you press **Shift** and **2**, **¢** is displayed.

Camera

The following table lists the camera specifications of your Latitude 5540.

Table 17. Camera specifications

| Description | Values |
|--------------------|---|
| Number of cameras | One |
| Camera type | <ul style="list-style-type: none">• FHD RGB camera• FHD RGB + IR camera• FHD RGB+IR camera with Ambient Light Sensor, Express Sign-In with Presence Detection and Intelligent Privacy |
| Camera location | Front camera |
| Camera sensor type | CMOS sensor technology |
| Camera resolution: | |

Table 17. Camera specifications (continued)

| Description | | Values |
|-----------------------------|-----------------|-----------------------------|
| | Still image | 2.07 megapixel |
| | Video | 1920 x 1080 (FHD) at 30 fps |
| Infrared camera resolution: | | |
| | Still image | 0.23 megapixels |
| | Video | 640 x 360 at 30 fps |
| Diagonal viewing angle: | | |
| | Camera | 80 degrees |
| | Infrared camera | 86.6 degrees |

Touchpad

The following table lists the touchpad specifications of your Latitude 5540.

Table 18. Touchpad specifications

| Description | | Values |
|----------------------|------------|---|
| Touchpad resolution: | | >300 DPI |
| Touchpad dimensions: | | |
| | Horizontal | 115 mm (4.52 in.) |
| | Vertical | 67 mm (2.64 in.) |
| Touchpad gestures | | For more information about touchpad gestures available on: <ul style="list-style-type: none"> • Windows, see the Microsoft knowledge base article at support.microsoft.com • Ubuntu, see ubuntu.com/support |

Power adapter

The following table lists the power adapter specifications of your Latitude 5540.

Table 19. Power adapter specifications

| Description | Option one | Option two | Option three |
|---------------------------|---|-------------------|-------------------------|
| Type | <ul style="list-style-type: none"> • 60 W AC adapter, USB-C • 60 W AC adapter, USB-C, 2-pin | 65 W AC adapter | 100 W AC adapter, USB-C |
| Power-adapter dimensions: | | | |
| Height | 22 mm (0.86 in.) | 28 mm (1.10 in.) | 122 mm (4.80 in.) |
| Width | 55 mm (2.16 in.) | 112 mm (4.41 in.) | 60 mm (2.36 in.) |
| Depth | 66 mm (2.59 in.) | 26.50 (1.04 in.) | 26.50 (1.04 in.) |
| Input voltage | 100 VAC–240 VAC | 100 VAC–240 VAC | 100 VAC–240 VAC |

Table 19. Power adapter specifications (continued)

| Description | Option one | Option two | Option three |
|--|--|---|--|
| Input frequency | 50 Hz–60 Hz | 50 Hz–60 Hz | 50 Hz–60 Hz |
| Input current (maximum) | 1.70 A | 1.70 A | 1.70 A |
| Output current (continuous) | <ul style="list-style-type: none"> ● 20 V/3 A (Continuous) ● 15 V/3 A (Continuous) ● 9 V/3 A (Continuous) ● 5 V/3 A (Continuous) | <ul style="list-style-type: none"> ● 20 V/3.25 A (Continuous) ● 15 V/3 A (Continuous) ● 9 V/3 A (Continuous) ● 5 V/3 A (Continuous) | <ul style="list-style-type: none"> ● 20 V/5 A (Continuous) ● 15 V/3 A (Continuous) ● 9 V/3 A (Continuous) ● 5 V/3 A (Continuous) |
| Rated output voltage | 20 VDC/15 VDC/9 VDC/5 VDC | 20 VDC/15 VDC/9 VDC/5 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) | 0°C to 40°C (32°F to 104°F) |
| Storage | -20°C to 70°C (-4°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 5540.

Table 20. Battery specifications

| Description | Option one | Option two | Option three | Option four |
|--------------------------|--|--|--|--|
| Battery type | 3 cell, 42 WHr, lithium-ion, ExpressCharge + ExpressCharge Boost | 3 cell, 42 WHr, lithium-ion, Long Cycle Life + ExpressCharge | 3 cell, 54 WHr, lithium-ion, ExpressCharge + ExpressCharge Boost | 3 cell, 54 WHr, lithium-ion, Long Cycle Life + ExpressCharge |
| Battery voltage | 11.40 VDC | 11.40 VDC | 11.40 VDC | 11.40 VDC |
| Battery weight (minimum) | 0.19 kg (0.41 lb) | 0.19 kg (0.41 lb) | 0.22 kg (0.48 lb) | 0.22 kg (0.48 lb) |
| Battery dimensions: | | | | |
| Height | 5.73 mm (0.22 in.) | 5.73 mm (0.22 in.) | 5.73 mm (0.22 in.) | 5.73 mm (0.22 in.) |
| Width | 263 mm (10.35 in.) | 263 mm (10.35 in.) | 263 mm (10.35 in.) | 263 mm (10.35 in.) |
| Depth | 68.90 mm (2.71 in.) | 68.90 mm (2.71 in.) | 68.90 mm (2.71 in.) | 68.90 mm (2.71 in.) |
| Temperature range: | | | | |

Table 20. Battery specifications (continued)

| Description | | Option one | Option two | Option three | Option four |
|---|-----------|--|--|--|--|
| | Operating | <ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) | <ul style="list-style-type: none"> Charge: 0°C to 45°C (32°F to 113°F) Discharge: 0°C to 70°C (32°F to 158°F) |
| | Storage | -20°C to 65°C (4°F to 149°F) | -20°C to 65°C (4°F to 149°F) | -20°C to 65°C (4°F to 149°F) | -20°C to 65°C (4°F to 149°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) (i) 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, <i>Me and My Dell</i> on www.dell.com . | | <p>Express Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 45°C normal express charge 46°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours <p>Standard Charge/ Predominately AC User Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours <p>Express Charge Boost Charge Method (Fast Charge for Initial 35%):</p> <ul style="list-style-type: none"> 16°C to 45°C target charge time from 0% to 35% RSOC is 20 mins for Accelerated Charge | <p>Express Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 45°C normal express charge 46°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours <p>Standard Charge/ Predominately AC User Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours | <p>Express Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 45°C normal express charge 46°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours <p>Standard Charge/ Predominately AC User Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours | <p>Express Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 45°C normal express charge 46°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours <p>Standard Charge/ Predominately AC User Charge Method:</p> <ul style="list-style-type: none"> 0°C to 15°C maximum allowable charge time from 0% to 100% RSOC is 4 hours 16°C to 50°C maximum allowable charge time from 0% to 100% RSOC is 3 hours |

Table 20. Battery specifications (continued)

| Description | Option one | Option two | Option three | Option four |
|---|------------|------------|---|-------------|
| | | | is 20 mins for Accelerated Charge | |
| 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 5540.

Table 21. Display specifications

| Description | Option one | Option two | Option three |
|---|------------------------------------|------------------------------------|---|
| Display type | 15-inch Full High Definition (FHD) | 15-inch Full High Definition (FHD) | 15-inch Full High Definition (FHD), ComfortView Plus Low Blue Light, Battery Saving |
| Touch options | No | Yes | No |
| Display-panel technology | In-Plane Switching (IPS) | In-Plane Switching (IPS) | In-Plane Switching (IPS) |
| Display-panel dimensions (active area): | | | |
| Height | 193.60 mm (7.62 in.) | 193.60 mm (7.62 in.) | 193.60 mm (7.62 in.) |
| Width | 344.20 mm (13.55 in.) | 344.20 mm (13.55 in.) | 344.20 mm (13.55 in.) |
| Diagonal | 396 mm (15.60 in.) | 396 mm (15.60 in.) | 396 mm (15.60 in.) |
| Display-panel native resolution | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Luminance (typical) | 250 nits | 250 nits | 400 nits |
| Megapixels | 2.07 | 2.07 | 2.07 |
| Color gamut | 45% NTSC | 45% NTSC | 100% sRGB |
| Pixels Per Inch (PPI) | 141 | 141 | 141 |
| Contrast ratio (typical) | 700:1 | 700:1 | 800:1 |
| Response time (max) | 35 ms | 35 ms | 35 ms |
| Refresh rate | 60 Hz | 60 Hz | 60 Hz |
| Horizontal view angle | 80 +/- degrees | 80 +/- degrees | 80 +/- degrees |

Table 21. Display specifications (continued)

| Description | Option one | Option two | Option three |
|-----------------------------|-------------------|-------------------|---------------------|
| Vertical view angle | 80 +/- degrees | 80 +/- degrees | 80 +/- degrees |
| Pixel pitch | 0.179 x 0.179 mm | 0.179 x 0.179 mm | 0.179 x 0.179 mm |
| Power consumption (maximum) | 4.60 W | 4.60 W | 4.50 W |
| Anti-glare vs glossy finish | Anti-glare | Anti-glare | Anti-glare |

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 5540.

Table 22. Fingerprint reader specifications

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

Sensor

The following table lists the sensor of your Latitude 5540.

Table 23. Sensor

| Sensor support |
|--|
| Ambient Light Sensor |
| Accelerometer in the base: ST Micro LIS2DW12TR |
| Accelerometer in the hinge-up (Upsell config with Emza/ALS/IR camera): ST Micro LNG2DMTR |

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 5540.

Table 24. GPU—Integrated

| Controller | External display support | Memory size | Processor |
|------------------------------------|---------------------------------|-----------------------|--|
| Intel UHD Graphics | One HDMI 2.0 port | single-channel memory | 13 th Generation Intel Core i3 |
| Intel Iris X ^e Graphics | One HDMI 2.0 port | dual-channel memory | 13 th Generation Intel Core i5/17 |

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Latitude 5540.

Table 25. GPU—Discrete

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

External display support

The following table lists the external display support for your Latitude 5540.

Table 26. External display support

| Graphics card | Supported external displays with laptop display enabled | Supported external displays with laptop display disabled |
|---|---|--|
| Intel Iris X ^e Graphics | 3 | 4 |
| Intel UHD Graphics | 3 | 4 |
|  NOTE: For more information about external display support, see the External Display Connection Guide on www.dell.com/support . | | |

Hardware security

The following table lists the hardware security of your Latitude 5540.

Table 27. Hardware security

| Hardware security |
|--|
| Trusted Platform Module (TPM) 2.0 discrete |
| FIPS 140-2 certification for TPM |
| TCG Certification for TPM (Trusted Computing Group) |
| Finger Print Reader in Power Button tied to ControlVault 3 |
| ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification |
| Contacted Smart Card and ControlVault 3 |
| Contactless Smart Card, NFC, and ControlVault 3 |
| SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL |
| FIPS 201 Full Scan FPR and ControlVault 3 |

Smart-card reader

Contactless smart-card reader

This section lists the contactless smart-card reader specifications of your Latitude 5540.

Table 28. Contactless smart-card reader specifications

| Title | Description | Dell ControlVault 3 contactless smart-card 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 |
| 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 |
| 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 |
| Dell ControlVault support | Device connects to Dell ControlVault for usage and processing | Yes |

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

Table 29. Supported cards

| Manufacturer | Card |
|--------------|----------------------------------|
| HID | jCOP readertest3 A card (14443a) |

Table 29. Supported cards (continued)

| Manufacturer | Card |
|---------------------|---------------------------------------|
| | 1430 1L |
| | DESFire D8H |
| | iClass (Legacy) |
| | iClass SEOS |
| NXP/Mifare | Mifare DESFire 8K White PVC Cards |
| | Mifare Classic 1K White PVC Cards |
| | NXP Mifare Classic S50 ISO Card |
| G&D | idOnDemand - SCE3.2 144K |
| | SCE6.0 FIPS 80K Dual+ 1 K Mifare |
| | SCE6.0 nonFIPS 80K Dual+ 1 K Mifare |
| | SCE6.0 FIPS 144K Dual + 1K Mifare |
| | SCE6.0 nonFIPS 144K Dual + 1 K Mifare |
| | SCE7.0 FIPS 144K |
| Oberthur | idOnDemand - OCS5.2 80K |
| | ID-One Cosmo 64 RSA D V5.4 T=0 card |

Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Latitude 5540.

Table 30. Contacted smart-card reader specifications

| Title | Description | Dell ControlVault 3 smart-card reader |
|----------------------------------|--|--|
| ISO 7816 -3 Class A Card Support | Reader capable of reading 5V powered smart card | Yes |
| ISO 7816 -3 Class B Card Support | Reader capable of reading 3V powered smart card | Yes |
| ISO 7816 -3 Class C Card support | Reader capable of reading 1.8V powered smart card | Yes |
| ISO 7816-1 Compliant | Specification for the reader | Yes |
| ISO 7816 -2 Compliant | Specification for smart card device physical characteristics (size, location of connection points, etc.) | Not applicable |
| 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) smart card standards as posted to www.emvco.com | Yes |
| EMVCo Certified | Formally certified based on EMVCO smart card standards | Yes |
| PC/SC OS interface | Personal Computer/Smart Card specification for integration of hardware | Yes |