


Latitude 5330

Technical Guidebook



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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Views of Latitude 5330

Right



1. SIM-card slot
2. Universal audio port
3. USB 3.2 Gen 1 port with PowerShare
4. HDMI 2.0 port
5. Wedge-shaped lock slot

Left



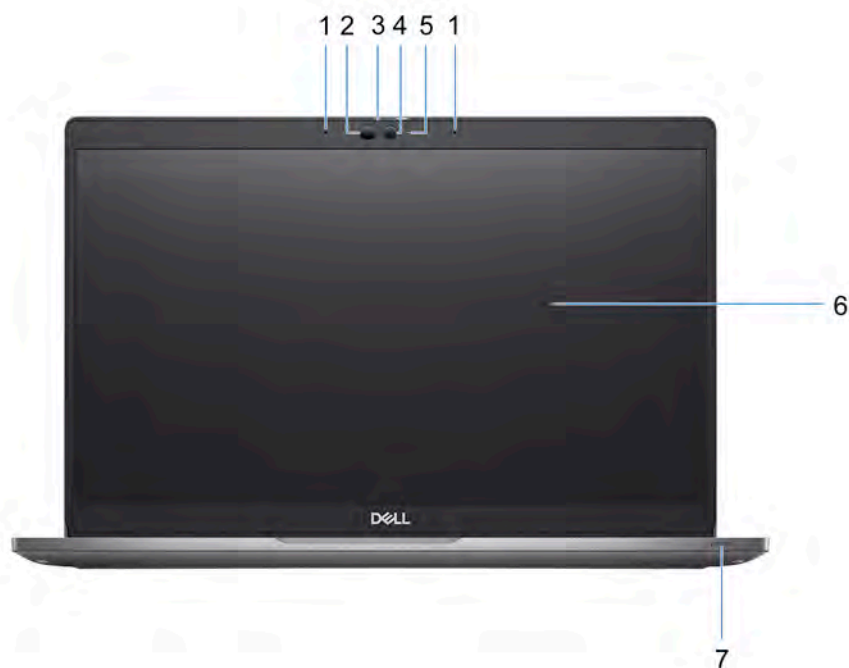
1. Thunderbolt 4 port with DisplayPort Alt Mode/USB Type-C/USB4/Power Delivery
2. Thunderbolt 4 port with DisplayPort Alt Mode/USB Type-C/USB4/Power Delivery
3. USB 3.2 Gen 1 port
4. microSD-card slot
5. Smart-card reader slot (optional)

Top



1. Power button with fingerprint reader (optional)
2. Keyboard
3. NFC/Contactless smart card reader (optional)
4. Clickpad

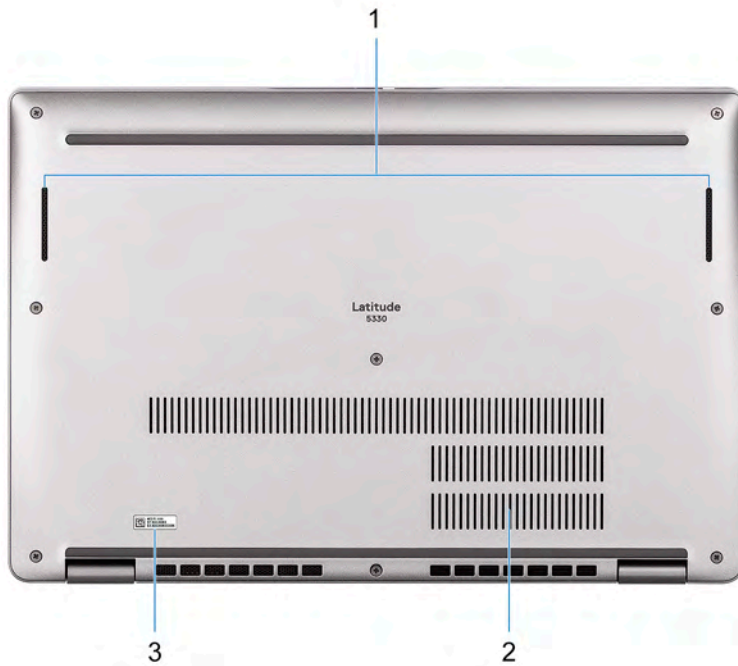
Front



1. Dual array microphone
2. IR emitter/Ambient Light Sensor (ALS) (optional)

3. Camera shutter
4. HD RGB camera / FHD IR camera / FHD IR camera with Proximity Sensor (optional)
5. Camera status LED (optional)
6. LCD panel
7. Battery indicator LED

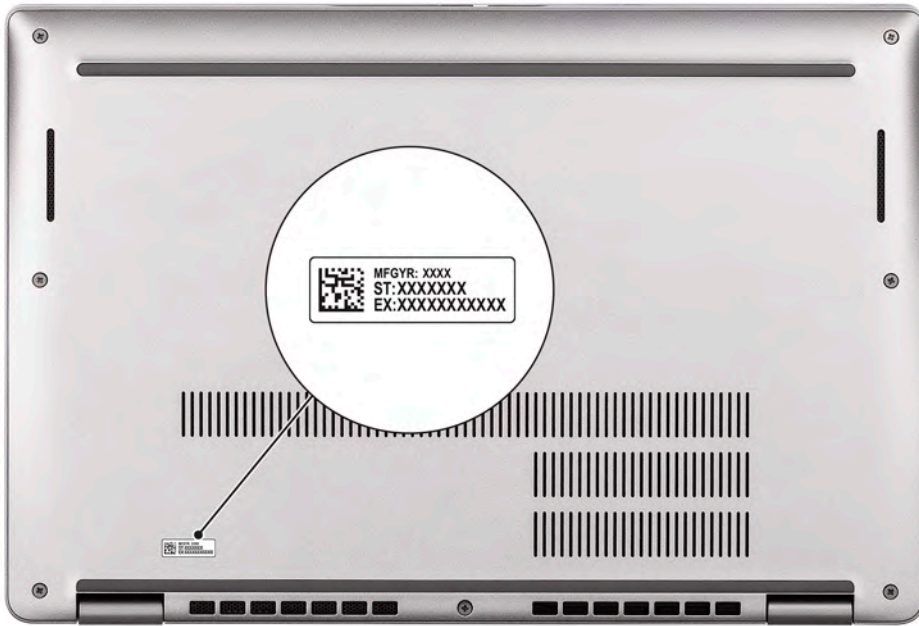
Bottom



1. Speaker
2. Fan vents
3. Service tag label

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.



Modes

The following modes are applicable for your 2-in-1 computers (optional).

Notebook



Tablet



Stand





Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 5330.

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 hard drive.
- S5 (OFF) - The system is in a shutdown state.

Specifications of Latitude 5330

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 5330.

Table 2. Dimensions and weight

| Description | Values |
|------------------|--|
| Height: | |
| Front height | 16.92 mm (0.67 in.) |
| Rear height | 18.43 mm (0.73 in.) |
| Width | 305.70 mm (12.04 in.) |
| Depth | 207.50 mm (8.17 in.) |
| Weight (minimum) | <ul style="list-style-type: none"> Laptop: 1.20 kg (2.65 lb) 2-in-1: 1.32 kg (2.91 lb) <p>NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.</p> |

Processor

The following table lists the details of the processors supported by your Latitude 5330.

Table 3. Processor

| Description | Option one | Option two | Option three | Option four |
|------------------------|---|--|--|---|
| Processor type | 12 th Generation Intel Core i3-1215U | Intel vPro Enterprise with Intel Core i5-1235U | Intel vPro Enterprise with Intel Core i5-1245U | Intel vPro Enterprise with Intel Core i7-1265U |
| Processor wattage | 15 W | 15 W | 15 W | 15 W |
| Processor core count | 2+4 | 2+8 | 2+8 | 2+8 |
| Processor thread count | 8 | 12 | 12 | 12 |
| Processor speed | 1.20 GHz to 4.40 GHz | 1.30 GHz to 4.40 GHz | 1.60 GHz to 4.40 GHz | 1.80 GHz to 4.80 GHz |
| Processor cache | 10 MB | 12 MB | 12 MB | 12 MB |
| Integrated graphics | Intel UHD Graphics | <p>NOTE: System with single-channel memory is shown as Intel UHD Graphics</p> | <p>NOTE: System with single-channel memory is shown as Intel UHD Graphics</p> | <p>NOTE: System with single-channel memory is shown as Intel UHD Graphics in Intel</p> |

Table 3. Processor (continued)

| Description | Option one | Option two | Option three | Option four |
|-------------|------------|--|--|---------------------------------|
| | | in Intel Graphics Command Centre (IGCC). | in Intel Graphics Command Centre (IGCC). | Graphics Command Centre (IGCC). |

Chipset

The following table lists the details of the chipset supported by your Latitude 5330.

Table 4. Chipset

| Description | Values |
|----------------|--|
| Chipset | Intel PCH-LP |
| Processor | 12 th Generation Intel Core i3/i5/i7 processors |
| DRAM bus width | 64-bit (for dual-channel) |
| Flash EPROM | <ul style="list-style-type: none"> vPro: 16 MB + 32 MB Non-vPro: 32 MB |
| PCIe bus | Up to Gen 4.0 |

Operating system

Your Latitude 5330 supports the following operating systems:

- Windows 11 Home
- Windows 11 Pro
- Windows 11 Pro Downgrade (Windows 10 Pro Image-factory installed)
- Ubuntu Linux 20.04 LTS

Memory

The following table lists the memory specifications of your Latitude 5330.

Table 5. Memory specifications

| Description | Values |
|---------------------------------|--|
| Memory slots | Dual Channel On-board Memory |
| Memory type | DDR4 |
| Memory speed | 3200 MHz |
| Maximum memory configuration | 32 GB |
| Minimum memory configuration | 8 GB |
| Memory size per slot | 8 GB, 16 GB, 32 GB |
| Memory configurations supported | <ul style="list-style-type: none"> • 8 GB, DDR4, 3200 MHz, dual-channel |

Table 5. Memory specifications (continued)

| Description | Values |
|-------------|--|
| | <ul style="list-style-type: none"> 16 GB, DDR4, 3200 MHz, dual-channel 32 GB, DDR4, 3200 MHz, dual-channel |

External ports

The following table lists the external ports on your Latitude 5330.


Table 6. External ports

| Description | Values |
|---------------------|---|
| USB ports | <ul style="list-style-type: none"> One USB 3.2 Gen 1 port One USB 3.2 Gen 1 port with PowerShare Two Thunderbolt 4 ports with DisplayPort Alt Mode/USB-C/USB4/Power Delivery |
| Audio port | One Universal audio port |
| Video port/ports | One HDMI 2.0 port |
| Media-card reader | One microSD-card slot |
| Power-adaptor port | USB Type-C power input |
| Security-cable slot | One wedge-shaped lock slot |

Internal slots

The following table lists the internal slots of your Latitude 5330.

Table 7. Internal slots

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

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Latitude 5330.

Table 8. Wireless module specifications

| Description | Option one | Option two | Option three |
|---------------------------|-------------------|---------------------|-----------------|
| Model number | Realtek RTL8822CE | Intel AX211 | MediaTek MT7921 |
| Transfer rate | Up to 867 Mbps | Up to 2400 Mbps | Up to 1200 Mbps |
| Frequency bands supported | 2.4 GHz/5 GHz | 2.4 GHz/5 GHz/6 GHz | 2.4 GHz/5 GHz |


Table 8. Wireless module specifications (continued)

| Description | Option one | Option two | Option three |
|--------------------|---|---|--|
| 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) | <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) | <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) |
| 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 | <ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP |
| Bluetooth | Bluetooth 5.0 | Bluetooth 5.2 | Bluetooth 5.2 |

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Latitude 5330.

Table 9. WWAN module specifications

| Description | Values |
|--|---|
| Model number | Intel 7360 (DW5820e) |
| Transfer rate | Up to 450 Mbps DL/50 Mbps UL (Cat 9) |
| Frequency bands supported | <ul style="list-style-type: none"> • LTE FDD: 450 Mbps DL/50 Mbps UL (Cat 9) • LTE TDD: B347 Mbps DL/30 Mbps UL (Cat 9) • UMTS/HSPA+: UMTS 384 Kbps DL/384 Kbps UL |
| Wireless standards | <ul style="list-style-type: none"> • LTE Category 9 • UMTS/HSPA+ |
| Encryption | Not supported |
| Global Navigation Satellite System (GNSS) | Supports GPS, BDS, and GLONASS |
|  NOTE: For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, see the knowledge base article 000143678 at www.dell.com/support . | |

Audio

The following table lists the audio specifications of your Latitude 5330.

Table 10. Audio specifications

| Description | Values |
|--------------------------|--|
| Audio controller | Realtek ALC3204 with Waves MaxxAudio Pro |
| Stereo conversion | 24-bit Digital-to-Analog (DAC) and Analog-to-Digital (ADC) |
| Internal audio interface | High definition audio interface |
| External audio interface | Universal audio jack |
| Number of speakers | Two |

Table 10. Audio specifications (continued)

| Description | | Values |
|----------------------------|------------------------|------------------------------------|
| Internal-speaker amplifier | | Supported (audio codec integrated) |
| External volume controls | | Keyboard shortcut controls |
| Speaker output: | | |
| | Average speaker output | 2 W |
| | Peak speaker output | 2.5 W |
| Subwoofer output | | Not supported |
| Microphone | | Dual-array microphones |

Storage

This section lists the storage options on your Latitude 5330.

Table 11. Storage matrix

| Storage | Single M.2 socket |
|-----------------------------------|-------------------|
| M.2 2230, Gen 3 PCIe x4 NVMe | Yes |
| M.2 2280, Gen 3 PCIe x4 NVMe | Yes |
| M.2 2280, Gen 4 PCIe x4 NVMe | Yes |
| M.2 2280, Gen 3 PCIe x4 NVMe, SED | Yes |

Table 12. Storage specifications

| Storage type | Interface type | Capacity |
|---|-------------------|------------|
| M.2 2230, Class 35 SSD | PCIe NVMe Gen3 x4 | Up to 1 TB |
| M.2 2230, Class 35 SSD | PCIe NVMe Gen4 x4 | Up to 1 TB |
| M.2 2230, Class 35 SSD, self-encrypting drive | PCIe NVMe Gen3 x4 | 256 GB |
| M.2 2230, Class 35 SSD, self-encrypting drive | PCIe NVMe Gen4 x4 | 256 GB |
| M.2 2280, Class 40 SSD | PCIe NVMe Gen3x4 | Up to 1 TB |
| M.2 2280, Class 40 SSD | PCIe NVMe Gen4 x4 | Up to 2 TB |
| M.2 2280, Class 40 SSD, self-encrypting drive | PCIe NVMe Gen3 x4 | Up to 1 TB |
| M.2 2280, QLC PCIe NVMe | PCIe NVMe | 512 GB |

Media-card reader

The following table lists the media-card reader specifications of your Latitude 5330.


Table 13. 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 5330.

Table 14. 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">United States and Canada: 79 keysUnited Kingdom: 80 keysJapan: 83 keys |
| Keyboard size | X=18.05 mm key pitch Y=18.05 mm key pitch |
| Keyboard shortcuts | <p>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.</p> <p> NOTE: You can define the primary behavior of the function keys (F1–F12) changing Function Key Behavior in BIOS setup program.</p> |

Camera

The following table lists the camera specifications of your Latitude 5330.

Table 15. Camera specifications

| Description | Option one | Option two | Option (Only for 2-in-1) | Option (Only for clamshell) |
|-------------------|-------------------------------|-------------------------------------|---|--|
| Number of cameras | One | One | One | One |
| Camera type | Integrated 6 mm HD RGB Webcam | Integrated 6 mm FHD RGB + IR Webcam | Integrated 6 mm FHD RGB + IR Webcam with proximity sensor and | Integrated 6 mm FHD RGB + IR Webcam with |

Table 15. Camera specifications (continued)

| Description | | Option one | Option two | Option (Only for 2-in-1) | Option (Only for clamshell) |
|-----------------------------|-----------------|---------------------------|-----------------------------|---------------------------------|-----------------------------|
| | | | | Ambient light sensor (Optional) | Human presence detection |
| Camera location | | Front camera | Front camera | Front camera | Front camera |
| Camera sensor type | | CMOS sensor technology | CMOS sensor technology | CMOS sensor technology | CMOS sensor technology |
| Camera resolution: | | | | | |
| | Still image | 0.92 megapixel | 0.92 megapixels | 0.92 megapixels | 0.92 megapixels |
| | Video | 1280 x 720 (HD) at 30 fps | 1920 x 1080 (FHD) at 30 fps | 1920 x 1080 (FHD) at 30 fps | 1920 x 1080 (FHD) at 30 fps |
| Infrared camera resolution: | | | | | |
| | Still image | NA | 0.23 | 0.23 | 0.23 |
| | Video | NA | 640 x 360 | 640 x 360 | 640 x 360 |
| Diagonal viewing angle: | | | | | |
| | Camera | 78.60 degrees | 87 degrees | 87.60 degrees | 87.60 degrees |
| | Infrared camera | NA | 87 degrees | 87.60 degrees | 87.60 degrees |

Clickpad

The following table lists the touchpad specifications of your Latitude 5330.

Table 16. Clickpad specifications

| Description | | Values |
|----------------------|------------|--|
| Clickpad resolution: | | >300 dpi |
| Clickpad dimensions: | | |
| | Horizontal | 115 mm (4.53 in.) |
| | Vertical | 67 mm (2.64 in.) |
| Clickpad gestures | | For more information about clickpad gestures available on Windows, see the Microsoft knowledge base article 4027871 at support.microsoft.com . |


Power adapter

The following table lists the power adapter specifications of your Latitude 5330.

Table 17. Power adapter specifications

| Description | Option one | Option two | Option three | Option four |
|-------------|------------------------|-------------------------------|------------------------|------------------------|
| Type | 60 W AC adapter, USB-C | 60 W AC adapter, USB-C, 2-pin | 65 W AC adapter, USB-C | 90 W AC adapter, USB-C |

Table 17. Power adapter specifications (continued)

| Description | Option one | Option two | Option three | Option four |
|--|--|--|---|--|
| Power-adapter dimensions: | | | | |
| Height | 22 mm (0.87 in.) | 22 mm (0.87 in.) | 28 mm (1.10 in.) | 22 mm (0.87 in.) |
| Width | 55 mm (2.16 in.) | 55 mm (2.16 in.) | 51 mm (2.01 in.) | 66 mm (2.60 in.) |
| Depth | 66 mm (2.60 in.) | 66 mm (2.60 in.) | 112 mm (4.41 in.) | 130 mm (5.12 in.) |
| Input voltage | 100 VAC–240 VAC | 100 VAC–240 VAC | 100 VAC x 240 VAC | 100 VAC x 240 VAC |
| Input frequency | 50 Hz–60 Hz | 50 Hz–60 Hz | 50 Hz to 60 Hz | 50 Hz to 60 Hz |
| Input current (maximum) | 1.70 A | 1.70 A | 1.70 A | 1.50 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 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/4.5 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 | 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) | 0°C to 40°C (32°F to 104°F) |
| Storage | -20°C to 70°C (-4°F to 158°F) | -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 5330.

Table 18. Battery specifications

| Description | Option one | Option two | Option three | Option four |
|--------------------------|--|--|--|--|
| Battery type | 3 cell, 41 WHr, lithium-ion, ExpressCharge Boost | 3 cell, 41 WHr, lithium-ion, Long Cycle Life | 4 cell, 58 WHr, lithium-ion, ExpressCharge Boost | 4 cell, 58 WHr, lithium-ion, Long Cycle Life |
| Battery voltage | 11.25 VDC | 11.25 VDC | 7.6 VDC | 7.6 VDC |
| Battery weight (minimum) | 0.177 kg (0.38 lbs) | 0.177 kg (0.38 lbs) | 0.23 kg (0.51 lbs) | 0.23 kg (0.51 lbs) |
| Battery dimensions: | | | | |
| Height | 5.70 mm (0.22 in.) | 5.70 mm (0.22 in.) | 5.70 mm (0.22 in.) | 5.70 mm (0.22 in.) |

Table 18. Battery specifications (continued)

| Description | | Option one | Option two | Option three | Option four |
|---|-----------|--|--|---|--|
| | Width | 206.4 mm (8.12 in.) | 206.4 mm (8.12 in.) | 242.0 mm (9.52 in.) | 242.0 mm (9.52 in.) |
| | Depth | 89.4 mm (3.51 in.) | 89.4 mm (3.51 in.) | 89.4 mm (3.51 in.) | 89.4 mm (3.51 in.) |
| Temperature range: | | | | | |
| | 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 | -40 °C to 65 °C (-40 °F to 149 °F) | -40 °C to 65 °C (-40 °F to 149 °F) | -40 °C to 65 °C (-40 °F to 149 °F) | -40 °C to 65 °C (-40 °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 . | | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge | Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours | Express Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 45°C normal express charge 46 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours Express Charge Boost Charge Method (Fast | Standard Charge/ Predominately AC User Charge Method: <ul style="list-style-type: none"> 0 - 15°C maximum allowable charge time from 0 to 100% RSOC is 4 hours 16 - 50°C maximum allowable charge time from 0 to 100% RSOC is 3 hours |

Table 18. Battery specifications (continued)

| Description | Option one | Option two | Option three | Option four |
|--|------------|------------|---|-------------|
| | | | Charge for Initial 35%): <ul style="list-style-type: none"> 16 - 45°C target charge time from 0 to 35% RSOC is 20 mins for Accelerated Charge | |
| Coin-cell battery | Yes | Yes | Yes | Yes |
| <p>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.</p> <p>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.</p> | | | | |

Display

The following table lists the display specifications of your Latitude 5330.

Table 19. Display specifications

| Description | | Option one | Option two | Option three | Option for 2-in-1 only |
|---|----------|----------------------------|--|----------------------------|----------------------------|
| Display type | | Full High Definition (FHD) | Full High Definition (FHD), low blue light | Full High Definition (FHD) | Full High Definition (FHD) |
| Display-panel technology | | Wide Viewing Angle (WVA) | Wide-Viewing Angle (WVA) | Wide Viewing Angle (WVA) | Wide-Viewing Angle (WVA) |
| Display-panel dimensions (active area): | | | | | |
| | Height | 165.24 mm (6.51 in.) | 165.24 mm (6.51 in.) | 165.24 mm (6.51 in.) | 165.24 mm (6.51 in.) |
| | Width | 293.76 mm (11.57 in.) | 293.76 mm (11.57 in.) | 293.76 mm (11.57 in.) | 293.76 mm (11.57 in.) |
| | Diagonal | 337.08 mm (13.27 in.) | 337.08 mm (13.27 in.) | 337.08 mm (13.27 in.) | 337.08 mm (13.27 in.) |
| Display-panel native resolution | | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 | 1920 x 1080 |
| Luminance (typical) | | 250 nits | 400 nits | 300 nits | 270 nits |
| Megapixels | | 2073600 | 2073600 | 2073600 | 2073600 |
| Color gamut | | 45% NTSC typ. | 100% sRGB typ. | 72% NTSC typ. | 100% sRGB typ. |
| Pixels Per Inch (PPI) | | 166 | 166 | 166 | 166 |
| Contrast ratio (typical) | | 800:1 | 1000:1 | 700:1 | 600:1 |

Table 19. Display specifications (continued)

| Description | Option one | Option two | Option three | Option for 2-in-1 only |
|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| Response time (max) | 35 ms | 35 ms | 35 ms | 35 ms |
| Refresh rate | 60 Hz | 60 Hz | 60 Hz | 60 Hz |
| Horizontal view angle | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees |
| Vertical view angle | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees | 80/80 min. 85/85 typ. +/- degrees |
| Pixel pitch | 0.153 x 0.153 mm | 0.153 x 0.153 mm | 0.153 x 0.153 mm | 0.153 x 0.153 mm |
| Power consumption (maximum) | 3.5 W@Mosaic | 2.52 W@Mosaic | 4.4 W@Mosaic | 4.5 W@Mosaic |
| Anti-glare vs glossy finish | Anti-glare | Anti-glare | Anti-glare | (DXC) Anti-reflection/Anti-smudge |
| Touch options | No | No | Yes | Yes |

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 5330.

Table 20. Fingerprint reader specifications

| Description | Values |
|--------------------------------------|------------|
| Fingerprint-reader sensor technology | Capacitive |
| Fingerprint-reader sensor resolution | 508 dpi |
| Fingerprint-reader sensor pixel size | 256 x 360 |

Sensor

The following table lists the sensor of your Latitude 5330.

Table 21. Sensor

| Sensor support |
|--|
| Ambient Light Sensor on the hinge-up (optional) |
| P-sensor on the hinge-up (optional) |
| 1 Accelerometer in the base (system board) for both Clamshell and 2-in-1 |
| 1 Accelerometer (Accelerometer + Gyro) in the hinge-up sensor board (Upsell on clamshell with Proximity/ALS/IR camera and 100% attached on 2-in-1) |

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 5330.

Table 22. GPU—Integrated

| Controller | Memory size | Processor |
|------------------------|----------------------|---|
| Intel Iris Xe Graphics | Shared system memory | 12 th Generation Intel Core i5/i7 processors NOTE: System with single-channel memory is shown as Intel UHD Graphics in Intel Graphics Command Centre (IGCC). |
| Intel UHD Graphics | Shared system memory | 12 th Generation Intel Core i3 processor |

Hardware security

The following table lists the hardware security of your Latitude 5330.

Table 23. Hardware security

| |
|--|
| Windows Hello - Fingerprint Reader (optional) |
| Trusted Platform Module (TPM) 2.0 FIPS 140-2 Certified |
| TCG Certification for TPM (Trusted Computing Group) |
| One wedge-shaped lock slot |
| Fingerprint Reader in Power Button tied to ControlVault 3 |
| ControlVault 3 Advanced Authentication (optional) FIPS 140-2 Level 3 Certified |
| Contacted Smartcard reader with Control Vault 3 (optional) FIPS 201 Certified |
| Contactless Smartcard, NFC/FPR with CV3 (optional) |
| SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL |

Smart-card reader

Contactless smart-card reader

This section lists the contactless smart-card reader specifications of your Latitude 5330.

Table 24. 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 |

Table 24. Contactless smart-card reader specifications (continued)

| Title | Description | Dell ControlVault 3 contactless smart-card reader with NFC |
|----------------------------|--|--|
| 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 |
| EMVCo Compliant | Compliant with EMVCO smart card standards as posted to www.emvco.com | Yes |
| EMVCo Certified | Formally certified based on EMVCO smart card standards | Yes |
| NFC Proximity OS Interface | Enumerates NFP (Near Field Proximity) device for OS to utilize | Yes |
| PC/SC OS interface | Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments | Yes |
| CCID driver compliance | Common driver support for Integrated Circuit Card Interface Device for OS level drivers | Yes |
| Windows Certified | Device certified by Microsoft WHCK | Yes |
| Dell ControlVault support | Device connects to Dell ControlVault for usage and processing | Yes |
| FIDO2 compliance | Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC | Yes |


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

Table 25. Supported cards

| Manufacturer | Card |
|--------------|-----------------------------------|
| HID | jCOP readertest3 A card (14443a) |
| | 1430 1L |
| | DESFire D8H |
| | iClass (Legacy) |
| | iClass SEOS |
| NXP/Mifare | Mifare DESFire 8K White PVC Cards |

Table 25. Supported cards (continued)

| Manufacturer | Card |
|--------------|---------------------------------------|
| | 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 5330.

Table 26. 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 mcard | 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.) | Yes |
| T=0 support | Cards support character level transmission | Yes |
| T=1 support | Cards support block level transmission | Yes |
| EMVCo Compliant | Compliant with EMVCo (for electronic payment standards) 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 readers into personal computer environments | Yes |
| CCID driver compliance | Common driver support for Integrated Circuit Card Interface Device for OS level drivers. | Yes |
| Windows Certified | Device certified by WHCK | Yes |

Table 26. Contacted smart-card reader specifications (continued)


| Title | Description | Dell ControlVault 3 smart-card reader |
|--|---|---------------------------------------|
| FIPS 201 (PIV/HSPD-12) Compliant via GSA | Device compliant with FIPS 201/PIV/HSPD-12 requirements | Yes |
| FIDO2 compliance | Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC | Yes |

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 5330.

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

Table 27. Computer environment

| Description | Operating | Storage |
|--|---|--|
| Temperature range | 0°C to 35°C (32°F to 95°F) | -40°C to 65°C (-40°F to 149°F) |
| Relative humidity (maximum) | 10% to 90% (non-condensing) | 0% to 95% (non-condensing) |
| Vibration (maximum)* | 0.66 GRMS | 1.30 GRMS |
| Shock (maximum) | 110 G† | 160 G† |
| Altitude range | -15.2 m to 3048 m (-49.87 ft to 10000 ft) | -15.2 m to 10668 m (-49.87 ft to 35000 ft) |
|  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.

Engineering specifications

Wireless module

Realtek RTL8822CE, 1x1, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0

The following table lists the Realtek RTL8822CE specifications.

Table 28. Realtek RTL8822CE specifications

| | |
|-------------------------------------|---|
| Host interface | <ul style="list-style-type: none"> • Wi-Fi - PCIe • Bluetooth - USB |
| Network standard | IEEE 802.11a/b/g/n/ac, MU-MIMO |
| Wi-Fi Alliance certifications | <ul style="list-style-type: none"> • Wi-Fi certified a/b/g/n/ac • WMM • WPA • WPA2 • Wi-Fi Direct (Windows only) |
| Operating frequency bands | <ul style="list-style-type: none"> • 2.4 GHz • 5 GHz |
| Data rate | <ul style="list-style-type: none"> • 2.4 GHz 40M: Up to 300 Mbps • 5 GHz 80M: Up to 867 Mbps |
| Power consumption | Optimized power modes (sleep states) reduce power consumption during periods of inactivity |
| Authentication | <ul style="list-style-type: none"> • Open • Shared • WPA • WPA-PSK • WPA2 • WPA2-PSK |
| Client utility | Native Wi-Fi and Bluetooth Microsoft UI support |
| Software support | <ul style="list-style-type: none"> • Microsoft WHQL certified for Windows • Linux • Chrome |
| 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 | <ul style="list-style-type: none"> • Dual Mode Bluetooth 5.0 • BLE |
| Bluetooth data rates | Up to 3 Mbps |
| Bluetooth operating frequency bands | 2.4 GHz |

Table 28. Realtek RTL8822CE specifications (continued)

| | |
|------------------------------|---|
| Bluetooth profiles supported | Support for Microsoft Inbox Bluetooth profiles in Windows |
| Bluetooth data encryption | 128-bit encryption |
| Operating temperature | 0°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 5.2

The following table lists the Intel AX211 specifications.

Table 29. Intel AX211 specifications


| | |
|----------------------------------|--|
| Host interface | CNVi3 (Connectivity Integration 3 rd generation) |
| Network standard | IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use, MU-MIMO, new 6GHz 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  NOTE: Other names and brands may be claimed as the property of others. |
| Operating frequency bands | <ul style="list-style-type: none"> • 2.4 GHz • 5 GHz • 6 GHz |
| Data rate | <ul style="list-style-type: none"> • 2.4 GHz 40M: Up to 574 Mbps • 5/6 GHz 80M: Up to 1.2 Gbps • 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 | <ul style="list-style-type: none"> • WPA2 Personal and Enterprise • WPA3 |
| Authentication protocols | <ul style="list-style-type: none"> • 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA) |
| Encryption | <ul style="list-style-type: none"> • 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP |
| Product safety | <ul style="list-style-type: none"> • UL • C-UL • CB (IEC60950-1) |
| Management capabilities alerting | Support for Intel AMT |
| Government compliance | <ul style="list-style-type: none"> • FIPS 140-2 • FISMA |
| Client utility | Intel PRO/Set wireless software v22 and later |
| Antenna diversity | Supported |

Table 29. Intel AX211 specifications (continued)

| | |
|-------------------------------------|--|
| 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 | <ul style="list-style-type: none"> • Dual Mode Bluetooth 5.2 • 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) |

MediaTek MT7921, 2x2, Wi-Fi 6 (WiFi 802.11ax), Bluetooth 5.2

The following table lists the MediaTek MT7921 specifications.

Table 30. MediaTek MT7921 specifications

| | |
|-------------------------------|---|
| Host interface | <ul style="list-style-type: none"> • Wi-Fi - PCIe • Bluetooth - USB |
| Network standard | IEEE 802.11a/b/g/n/ac/ax, MU-MIMO |
| Wi-Fi Alliance certifications | <ul style="list-style-type: none"> • 802.11 a/b/g/n/ac R2/ax R2 • WMM • WMM-PS • WPA3 • WPS2 • PMF • WFD • Miracast • Passpoint R2 • Voice Personal |
| Operating frequency bands | <ul style="list-style-type: none"> • 2.4 Ghz • 5 Ghz |
| Data rate | <ul style="list-style-type: none"> • 2.4 GHz 40M: Up to 576 Mbps • 5 GHz 160M: Up to 1.2 Gbps |
| Power consumption | Optimized power modes (sleep states) reduce power consumption during periods of inactivity |
| Authentication | <ul style="list-style-type: none"> • WPA and WPA2 Personal and Enterprise • WPA3 Personal and Enterprise |
| Authentication protocols | <ul style="list-style-type: none"> • 802.1X EAP-TLS |

Table 30. MediaTek MT7921 specifications (continued)

| | |
|-------------------------------------|--|
| | <ul style="list-style-type: none"> • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA) |
| Encryption | <ul style="list-style-type: none"> • 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP |
| Product safety | <ul style="list-style-type: none"> • UL • C-UL • CB (IEC60950-1) |
| Government compliance | <ul style="list-style-type: none"> • FIPS 140-2 • FISMA |
| 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 | <ul style="list-style-type: none"> • Dual Mode Bluetooth 5.2 • 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° 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 7360 Global LTE-Advanced

The following table lists the Intel XMM 7360 Global LTE-Advanced specifications.

Table 31. Intel XMM 7360 Global LTE-Advanced specifications

| | |
|------------------|---|
| Form factor | M.2 3042 Key-B |
| Host interface | <ul style="list-style-type: none"> • Windows - PCIe Gen1 • Chrome/Linux - USB 3.0/2.0 |
| Network standard | <ul style="list-style-type: none"> • LTE FDD/TDD • WCDMA/HSPA+ • GNSS/Beidou |
| Transfer rate | <ul style="list-style-type: none"> • CAT9 - Up to 450 Mbps • UL - Up to 50 Mbps |

Table 31. Intel XMM 7360 Global LTE-Advanced specifications (continued)

| | |
|--------------------------------|--|
| Operating frequency bands | <ul style="list-style-type: none"> • LTE (B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B17, B18, B19, B20, B21, B26, B28, B29, B30, B38, B39, B40, B41, B66) • HSPA+ (1, 2, 4, 5, 8) |
| 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) | Not supported |
| Antenna diversity | Supported |
| Radio On/Off | Supported |
| Wake on wireless | Supported |
| Normal operating temperature | -10°C to +55°C |
| Extended operating temperature | -20°C to +65°C |
| Antenna connector | <ul style="list-style-type: none"> • WWAN Main Antenna X 1 • WWAN Diversity Antenna X 1 |

GPU—Integrated

Intel Iris X^e Graphics

The following table lists the Intel Iris X^e Graphics specifications.

Table 32. Intel Iris X^e Graphics specifications

| | |
|---|--|
| Bus type | Integrated graphics <i>i</i> NOTE: Intel Iris X ^e Graphics uses the computers memory as video memory. <i>i</i> NOTE: System with single-channel memory is shown as Intel UHD Graphics in Intel Graphics Command Centre (IGCC) |
| Memory type | Shared with system memory |
| Memory interface | N/A (Unified Memory Architecture) |
| Estimated maximum power consumption (TDP) | 15 W, included in the CPU power |
| Maximum color depth | 10 bits |
| Maximum vertical refresh rate | Up to 120 Hz <i>i</i> NOTE: The refresh rate depends on the resolution. |
| External ports | HDMI 2.0 port, DisplayPort over USB Type-C |
| Multiple display support | Up to 4 displays including laptop display |

Intel UHD Graphics

The following table lists the Intel UHD Graphics specifications.

Table 33. Intel UHD Graphics specifications

| | |
|----------|---------------------|
| Bus type | Integrated graphics |
|----------|---------------------|

Table 33. Intel UHD Graphics specifications (continued)

| | |
|---|---|
| Memory type | Shared with system memory |
| Graphics level | i5/i7: GT2 (UHD) |
| Estimated maximum power consumption (TDP) | 15 W |
| Overlay planes | Yes |
| Operating systems graphics/ video API support | DirectX 12, OpenGL (4.5 from Intel CML POR) |
| Maximum vertical refresh rate | <ul style="list-style-type: none"> HDMI 2.0: 4096 x 2160 @ 60 Hz, 24bpp (HDMI or optional USB Type-C to HDMI dongle) Max Digital: 4096 x 2304 @ 60 Hz, 24bpp (mDP or DP 1.4 over Type-C Port) |
| External ports | <ul style="list-style-type: none"> HDMI 2.0 port DisplayPort over USB Type-C |
| Multiple display support | Up to 4 displays via DisplayPort Multi-Streaming Technology (MST) |

Video port and resolution matrix

The following table lists the Video port and resolution matrix of your Latitude 5330.

Table 34. Video port and resolution matrix

| Port type | HDMI 2.0 port |
|-----------------------------------|---------------------|
| Maximum resolution—single display | 4096 x 2160 @ 60 Hz |
| Maximum resolution—dual MST | Not applicable |
| Maximum resolution—triple MST | Not applicable |

Storage

M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD

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

Table 35. 256 GB SSD specifications

| | |
|------------------------------------|--|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> Idle: 5 mW (PS4) |

Table 35. 256 GB SSD specifications (continued)

| | |
|--|--|
| | <ul style="list-style-type: none"> Active: 3.50 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 Gen3 x4, Class 35 SSD

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

Table 36. 512 GB SSD specifications

| | |
|--|--|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> Idle: 5 mW (PS4) Active: 3.50 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 Gen3 x4, Class 35 SSD

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

Table 37. 1 TB SSD specifications

| | |
|----------------------|---------------------|
| Capacity | 1 TB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |

Table 37. 1 TB SSD specifications (continued)

| | |
|--|--|
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4) • Active: 3.50 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, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD

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

Table 38. 256 GB SSD specifications

| | |
|--|---|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 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 | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4) • 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 39. 512 GB SSD specifications

| | |
|--|--|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 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 | 1,000,215,216 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none">• Idle: 5 mW (PS4)• 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 40. 1 TB SSD specifications

| | |
|--|--|
| Capacity | 1 TB |
| Height (approximate) | 2.38 mm (0.09 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) | <ul style="list-style-type: none">• Idle: 5 mW (PS4)• Active: 4 W |
| Environmental operating conditions (non-condensing) | |
| Temperature range | 0°C to 70°C |

Table 40. 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 2230, 256 GB, PCIe NVMe Gen3 x4, Opal Self-Encrypting Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD, self-encrypting drive specifications.

Table 41. 256 GB SSD, self-encrypting drive specifications

| | |
|--|--|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4) • Active: 3.50 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, 256 GB, PCIe NVMe Gen4 x4, Opal Self-Encrypting, Class 35 SSD

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

Table 42. 256 GB SSD, self-encrypting drive specifications

| | |
|----------------------|---------------------|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 30.00 mm (1.18 in.) |

Table 42. 256 GB SSD, self-encrypting drive specifications (continued)

| | |
|--|---|
| Interface type | PCIe Gen4 |
| Speed (maximum) | 64 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4) • 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 2280, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD

The following table lists the M.2 2280, 256 GB SSD specifications

Table 43. 256 GB SSD specifications

| | |
|--|--|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • Active: 4.50 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, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD

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

Table 44. 512 GB SSD specifications

| | |
|--|---|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none">• Idle: 5 mW (PS4 - L1.2)• Active: 4.50 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 Gen3 x4, Class 40 SSD

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

Table 45. 1 TB SSD specifications

| | |
|--|---|
| Capacity | 1 TB |
| Height (approximate) | 3.73 mm (0.15 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none">• Idle: 5 mW (PS4 - L1.2)• Active: 4.50 W |
| Environmental operating conditions (non-condensing) | |
| Temperature range | 0°C to 70°C |

Table 45. 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 46. 512 GB SSD specifications

| | |
|--|---|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 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) | <ul style="list-style-type: none"> Idle: 5 mW (PS4 - L1.2) 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 47. 1 TB SSD specifications

| | |
|----------------------|-------------------------|
| Capacity | 1 TB |
| Height (approximate) | 2.38 mm (0.09 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 47. 1 TB SSD specifications (continued)

| | |
|--|---|
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • 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, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD

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

Table 48. 2 TB SSD specifications

| | |
|--|---|
| Capacity | 2 TB |
| Height (approximate) | 2.38 mm (0.09 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 | 4,000,797,360 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • 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, 256 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 256 GB SSD, self-encrypting drive specifications

Table 49. 256 GB SSD, self-encrypting drive specifications

| | |
|--|---|
| Capacity | 256 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 500,118,192 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none">• Idle: 5 mW (PS4 - L1.2)• Active: 4.50 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, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 512 GB SSD, self-encrypting drive specifications

Table 50. 512 GB SSD, self-encrypting drive specifications

| | |
|------------------------------------|---|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none">• Idle: 5 mW (PS4 - L1.2)• Active: 4.50 W |

Table 50. 512 GB SSD, self-encrypting drive specifications (continued)

| | |
|--|---------------|
| 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 Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 1 TB SSD, self-encrypting drive specifications

Table 51. 1 TB SSD, self-encrypting drive specifications

| | |
|--|--|
| Capacity | 1 TB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 2,000,409,264 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> • Idle: 5 mW (PS4 - L1.2) • Active: 4.50 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, 512 GB, QLC PCIe NVMe Gen3 x4, SSD

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

Table 52. 512 GB SSD specifications

| | |
|----------------------|---------------------|
| Capacity | 512 GB |
| Height (approximate) | 2.38 mm (0.09 in.) |
| Width (approximate) | 22.00 mm (0.87 in.) |

Table 52. 512 GB SSD specifications (continued)

| | |
|--|--|
| Depth (approximate) | 80.00 mm (3.15 in.) |
| Interface type | PCIe Gen3 |
| Speed (maximum) | 32 Gb/s (up to 4 lanes) |
| MTBF | 1.4M hours |
| Logical blocks | 1,000,215,216 |
| Power source | |
| Power consumption (reference only) | <ul style="list-style-type: none"> Idle: 5 mW (PS4 - L1.2) Active: 4.50 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 5330.

Table 53. Power adapter specifications

| Description | Values | | | |
|-----------------------------|---|---|---|---|
| Type | 60 W AC adapter, USB-C | 60 W AC adapter, USB-C, 2-pin | 65 W AC adapter, USB-C | 90 W AC adapter, USB-C |
| Diameter (connector) | Not supported | Not supported | Not supported | Not supported |
| Input voltage | 100 VAC-240 VAC | 100 VAC-240 VAC | 100 VAC-240 VAC | 100 VAC-240 VAC |
| Input frequency | 50 Hz-60 Hz | 50 Hz-60 Hz | 50 Hz-60 Hz | 50 Hz-60 Hz |
| Input current (maximum) | 1.60 A | 1.60 A | 1.70 A | 1.50 A |
| Output current (continuous) | <ul style="list-style-type: none"> 20 V/4.50 A 15 V/3 A 9 V/3 A 5 V/3 A | <ul style="list-style-type: none"> 20 V/4.50 A 15 V/3 A 9 V/3 A 5 V/3 A | <ul style="list-style-type: none"> 20 V/4.50 A 15 V/3 A 9 V/3 A 5 V/3 A | <ul style="list-style-type: none"> 20 V/4.50 A 15 V/3 A 9 V/3 A 5 V/3 A |
| 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 | 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) | 0°C to 40°C (32°F to 104°F) |
| Storage | 40°C to -40°C (104°F to -40°F) | 40°C to -40°C (104°F to -40°F) | 40°C to -40°C (104°F to -40°F) | 40°C to -40°C (104°F to -40°F) |
| Compliance | | | | |

Table 53. Power adapter specifications (continued)

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

Accessories

The following table lists the supported accessories on your Latitude 5330.

Table 54. Accessories

| Accessories |
|---|
| Audio: Dell Pro Wireless Headset - WL5022 |
| Adapters: <ul style="list-style-type: none"> Dell USB-C Mobile Adapter - MH3021P Dell Mobile Adapter Speaker phone - DA310 |
| Carrying case: <ul style="list-style-type: none"> Dell Pro Hybrid Briefcase Backpack 15 - PO1521HB |
| Dock: Dell Thunderbolt 4 Dock - WD22TB4 |
| Mouse: Dell Mobile Pro Wireless Mice - MS5120W |
| Keyboard: Dell Pro Wireless Keyboard and Mouse - KM5221W |
| Monitor: <ul style="list-style-type: none"> Dell 24 Monitor - P2422H Dell 27 Monitor - P2722H |
| Webcam: Dell Pro Webcam |

Security

Software security

The following table lists the software security details of your Latitude 5330.

Table 55. Software security

| Security options |
|--|
| Latitude Security software per software functional plan/cycle list |
| McAfee Small Business Security 30-day trial |
| McAfee Small Business Security 12-month subscription, digitally delivered |
| McAfee Small Business Security 24-month subscription, digitally delivered |
| McAfee Small Business Security 36-month subscription, digitally delivered |
| Dell Digital Device ID: TPM Platform Root Key provisioning |
| BIOS complies to Dell SMBIOS implementation spec (DSIS) |
| SW and Drivers MUP/DUP compliant per spec Agile S01310 |
| Dell Power Manager 3.0 or later version (DPM) |
| Dell Command Configure 4.0 or later (DCC) with Remote BIOS configuration |
| Dell Command Monitor 10.0 or later (DCM) |
| Dell Command Update 3.0 or later (DCU) |
| Dell Command Update Catalog (DCUC) |
| Dell Command Deploy (DCP) |
| Dell Command Integration Suite for System Center 5.0 (DCIS) |
| Dell Command Intel® vPro™ Out of Band (DCIV) |
| Dell Command PowerShell Provider 2.0 or later |
| Dell Command Deploy Driver Pack Catalog 1.0 or later |
| Dell Client System Repository Manager (RM) - client support |
| Dell SCOM Managability Pack (SCOM MP) - client support |

Fingerprint reader

The following table lists the fingerprint reader specifications of your Latitude 5330.

Table 56. Fingerprint reader specifications

| | |
|--------------------------------------|--------------------|
| Category | Goodix—GF5288WNC |
| Sensor technology | Capacitive sensing |
| Sensor resolution | 508 dpi |
| Sensor size | 5.48 mm x 4.47 mm |
| Sensor pixel size | 256 x 360 pixels |
| Dell ControlVault support | Yes |
| Dell ControlVault 3.0 support | Yes |

Table 56. Fingerprint reader specifications (continued)

| | |
|---------------------------|--|
| Anti-spoofing | Yes |
| Template storage | Dell ControlVault HW protected and encrypted |
| Match on chip | Yes |
| FIPS 201 certified | No |

Dell ControlVault 3.0

The following table lists the Dell ControlVault 3.0 specifications of your Latitude 5330.

Table 57. Dell ControlVault 3.0 specifications

| Title | Description | Dell ControlVault 3.0 |
|--------------------------------|---|------------------------------|
| CPU technology | N/A | 1 GHz ARM Cortex A7 |
| RAM | N/A | 1 MB |
| ROM | N/A | 16 MB |
| TPM included | TPM enumeration included within ControlVault | No |
| Host Interface | N/A | USB 2.0 |
| Fingerprint procession on chip | Fingerprint processing occurs within secure boundary of ControlVault | Yes |
| Windows WBF support | Support for Windows biometric framework when Fingerprint reader is attached | Yes |
| FIPS 140-2 level 3 complaint | Device complaint with FIPS 140-2 level 3 requirements | Yes |
| FIPS 140-2 level 3 certified | Device certified with FIPS 140-2 level 3 requirements | Yes |

Trusted Platform Module

The following table lists the Trusted Platform Module (TPM) of your Latitude 5330.

Table 58. Trusted Platform Module (TPM)

| |
|----------------------------------|
| TPM: ST/ST33 HTPH2X32AHD8 |
| SPI interface |
| TPM 2.0 |
| FIPs 140-2 certificate |

Thermal and acoustic improvements

The following table lists the thermal and acoustic improvements of your Latitude 5330.

Table 59. Thermal and acoustic improvements

| | |
|---|---|
| New larger single heat pipe | 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) | Optimized boot-up time to balance thermals at start-up |

Table 59. Thermal and acoustic improvements (continued)

| | |
|-------------------------------------|--|
| 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: IP-54 | <ul style="list-style-type: none"> • Dust protected • Protected against dripping water |
| Better acoustic experience | Enhance acoustic to 0.6 sone during daily working conditions and fan off when system is idle |

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 | 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 | Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

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

Dell Command | 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 | Power Manager (end-user tool) is a GUI-based factory-installed battery management tool that allows end users to choose the battery management methods that meet their personal preferences or work schedule without sacrificing IT's capability to control those settings with Group Policy.

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 | Update eliminates the time-consuming hunting and pecking process of update installation.

Dell Command | 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 unreachable 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).

ComfortView Plus

 **WARNING:** Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

Using the privacy shutter

1. Slide the privacy shutter to the left to access the camera lens.
2. Slide the privacy shutter to the right to cover the camera lens.



Dell Optimizer

This section details the Dell Optimizer specifications of your Latitude 5330.

On Latitude 5330 with Dell Optimizer, the following features are supported:

- **ExpressConnect**—Automatically joins the access point with the strongest signal, and directs bandwidth to conferencing applications when in use.
- **ExpressSign-in**—The Intel Context Sensing Technology's proximity sensor detects your presence to instantly wake up the computer and login using the IR camera and Windows Hello feature. Windows locks when you walk away.
- **ExpressResponse**—Prioritizes the most important applications. Applications open faster and perform better.
- **ExpressCharge**—Extends the battery runtime and improves battery performance by adapting to your patterns.
- **Intelligent Audio**—Collaborate like you're in the same room. Intelligent Audio enhances your audio quality and reduces background noises, so you can hear and be heard, creating a better conference experience for all.

For more information about configuring and using these features, see [Dell Optimizer User Guide](#).

Color, material, and finish

This section details the color, material, and finish (CMF) specifications of your Latitude 5330.



Titan Gray

Table 60. CMF specifications

| | |
|--------------------|---|
| A Cover (Top) | <ul style="list-style-type: none"> • CFRP + Bi-Injection Antenna Cover • Titan Gray WUVM • 10+/-2 GU |
| B Cover (Bezel) | <ul style="list-style-type: none"> • PC/ ABS + Elastomer • Apollo, Resin • Bezel: MT11520, 4+/-1 GU and Bumper: MT 11510, 3+/-1 GU |
| C Cover (Palmrest) | <ul style="list-style-type: none"> • Plastic (Rustic Pewter, Resin) • Titan Gray WUVM • 10+/-2 GU |
| D Cover (Bottom) | <ul style="list-style-type: none"> • Black CFRP • PC+50%GF (For 2-in-1) • Titan Gray WUVM • 10+/-2 GU |

NOTE: Titan Gray, Cool Gray 9C = RGB 117 120 123 HEX/HTML 75787B CMYK 30 22 17 57

Keyboard shortcuts of Latitude 5330

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 61. List of keyboard shortcuts

| Function key | Primary behavior |
|--------------|--|
| F1 | Mute audio |
| F2 | Decrease volume |
| F3 | Increase volume |
| F4 | Mic mute |
| F5 | Keyboard backlight NOTE: Non-backlight keyboards have F5 function key without the backlight icon and do not support toggle keyboard backlight function. NOTE: Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight |
| F6 | Decrease screen brightness |
| F7 | Increase screen brightness |
| F8 | Switch to external display |
| F9 | Operating system and application specific F9 behavior |
| 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 62. 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 |

Table 62. Secondary behavior (continued)



| Function key | Secondary behavior |
|---------------------|---|
| Fn + F4 | Operating system and application specific F4 behavior |
| Fn + F5 | Operating system and application specific F5 behavior |
| Fn + F6 | Operating system and application specific F6 behavior |
| Fn + F8 | Operating system and application specific F8 behavior |
| Fn + F9 | Operating system and application specific F9 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/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 + Left Arrow | Home |
| Fn + Right Arrow | End |

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 63. Self-help resources

| Self-help resources | Resource location |
|---|---|
| Information about Dell products and services | www.dell.com |
| My Dell app |  |
| Tips |  |
| Contact Support | In Windows search, type <code>Contact Support</code> , and press Enter. |
| Online help for operating system | www.dell.com/support/windows |
| Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents. | <p>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.</p> <p>For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer.</p> |
| Dell knowledge base articles for a variety of computer concerns | <ol style="list-style-type: none"> 1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select Support > Knowledge Base. 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.