

Latitude 3330/Latitude 3330 2-in-1

Setup and Specifications

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.

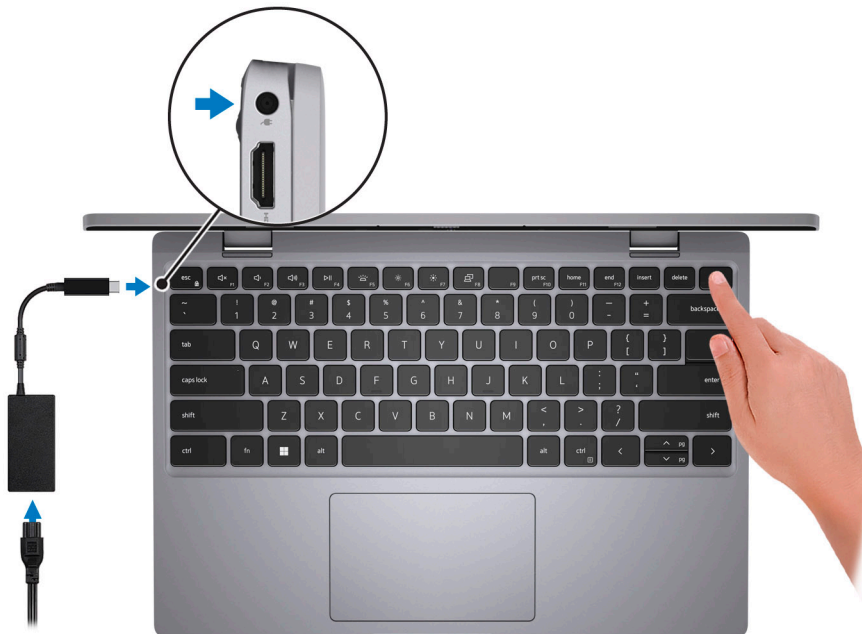
 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your Latitude 3330

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

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



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.

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 1. Locate Dell apps

Resources	Description
	<p>Dell Product Registration Register your computer with Dell.</p>
	<p>Dell Help & Support Access help and support for your computer.</p>
	<p>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.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>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.</p>
	<p>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.</p>

Views of Latitude 3330

Right



1. microSD-card slot
2. Headset (headphone and microphone combo) port
3. USB 3.2 Gen 1 port
4. USB 3.2 Gen 1 port with PowerShare
5. Wedge-shaped lock slot

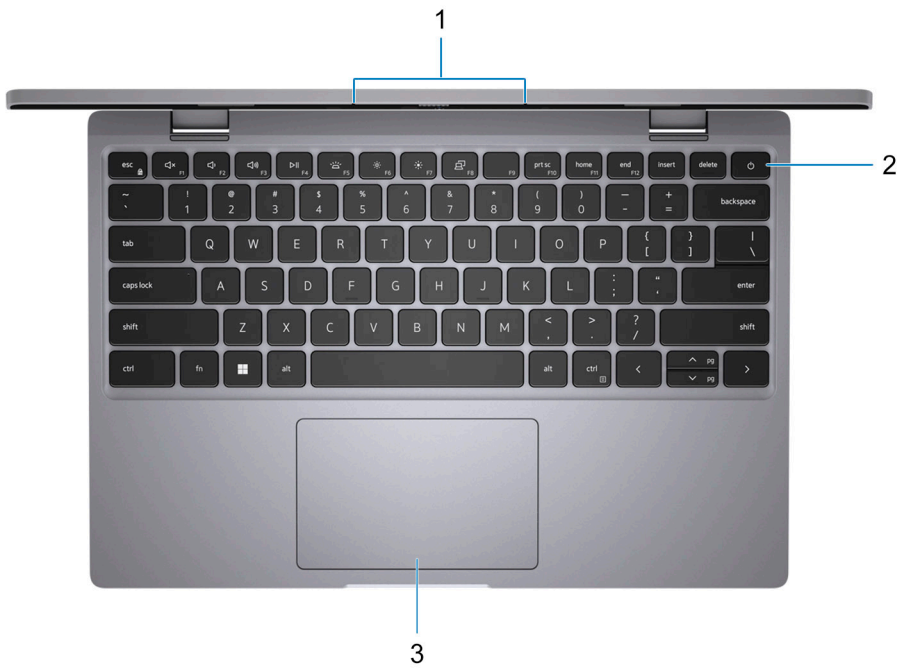
Left



1. Power-adaptor port
2. HDMI 1.4 port
3. USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode 1.4/Power Delivery
4. Power and battery-status light

NOTE: The power and battery-status light also functions as a diagnostic LED.

Top



1. Microphone array
2. Power button with optional fingerprint reader
3. Touchpad

Display

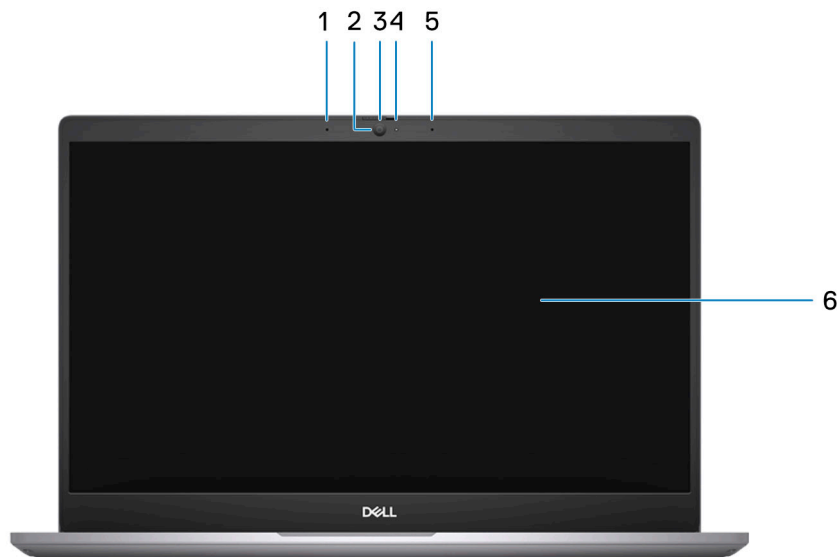


Figure 1. Laptop

1. Microphone

2. RGB camera
3. Camera shutter
4. Camera indicator LED
5. Microphone
6. LCD panel

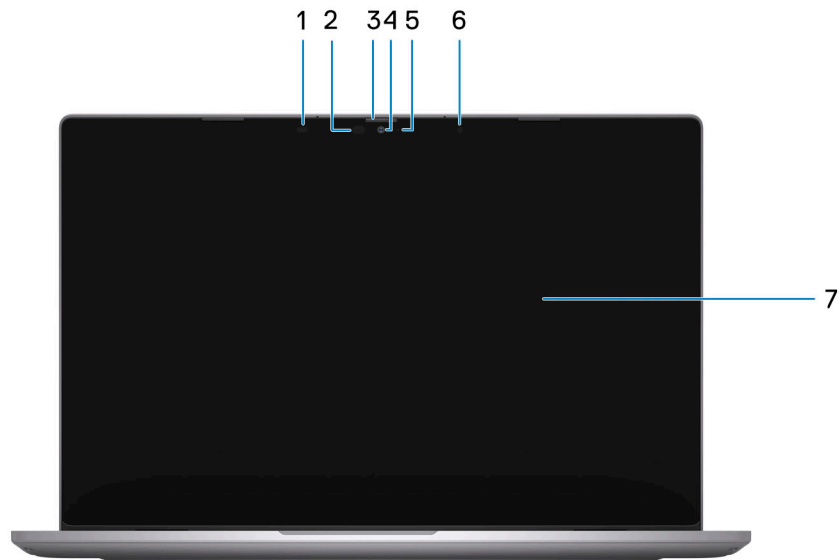
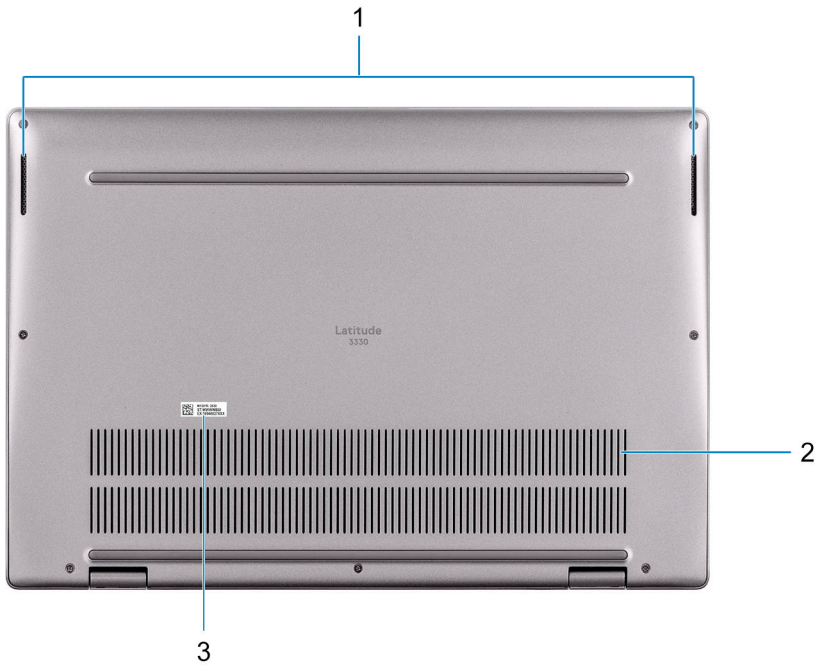


Figure 2. 2-in-1

1. IR emitter
2. IR camera
3. Camera shutter
4. RGB camera
5. Camera indicator LED
6. Ambient Light Sensor (ALS)
7. LCD panel

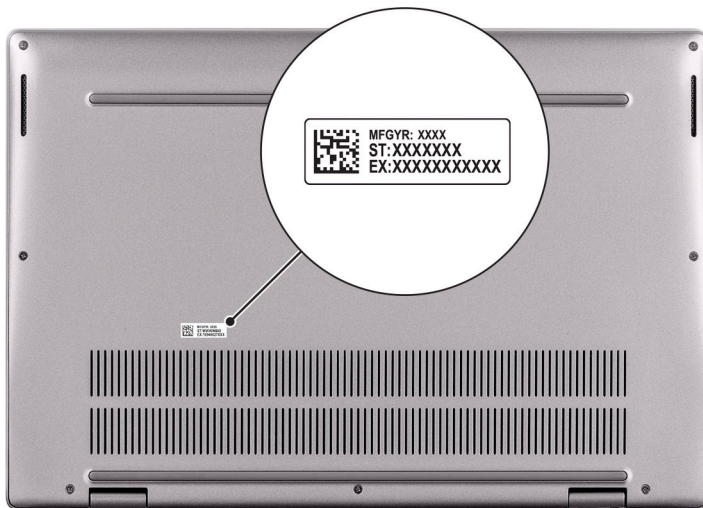
Bottom



- 1. Speakers
- 2. Air vents
- 3. Service tag and regulatory 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

NOTE: The following modes are applicable only to Latitude 3330 2-in-1 computers (an upsell option).

Notebook



Tablet



Stand



Tent



Battery charge and status light

The following table lists the battery charge and status light behavior of your Latitude 3330.

Table 2. 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	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 3330

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 3330.

Table 3. Dimensions and weight

Description	Clamshell	2-in-1
Height:		
Front height	15.68 mm (0.61 in.)	16.42 mm (0.65 in.)
Rear height	17.22 mm (0.68 in.)	17.75 mm (0.70 in.)
Width	305.98 mm (12.05 in.)	305.98 mm (12.05 in.)
Depth	209.78 mm (8.26 in.)	209.78 mm (8.26 in.)
Weight (maximum)	1.28 kg (2.82 lb) i NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.	1.37 kg (3.02 lb) i NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.

Processor

The following table lists the details of the processors supported by your Latitude 3330 .

Table 4. Processor

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven	Option eight	Option nine
Processor type	11 th Generation Intel Core i3-1115G4	11 th Generation Intel Core i3-1125G4	11 th Generation Intel Core i5-1155G7	11 th Generation Intel Core i5-1145G7	11 th Generation Intel Core i7-1195G7	12 th Generation Intel Core i3-1215U	12 th Generation Intel Core i5-1235U	12 th Generation Intel Core i5-1245U	12 th Generation Intel Core i7-1255U
Processor wattage	15 W	15 W	15 W	15 W	15 W	15 W	15 W	15 W	15 W
Processor core count	2	4	4	4	4	P-cores: 2 E-cores: 4	P-cores: 2 E-cores: 8	P-cores: 2 E-cores: 8	P-cores: 2 E-cores: 8
Processor thread count	4	8	8	8	8	8	12	12	12
Processor speed	3.00 GHz to 4.10 GHz	2.00 GHz to 3.70 GHz	2.50 GHz to 4.50 GHz	2.60 GHz to 4.40 GHz	2.90 GHz to 5.00 GHz	P-cores: 1.20 GHz to 4.40 GHz	P-cores: 1.30 GHz to 4.40 GHz	P-cores: 1.60 GHz to 4.40 GHz	P-cores: 1.70 GHz to 4.70 GHz

Table 4. Processor (continued)

Description	Option one	Option two	Option three	Option four	Option five	Option six	Option seven	Option eight	Option nine
						E-cores: 0.90 GHz to 3.30 GHz	E-cores: 0.90 GHz to 3.30 GHz	E-cores: 1.20 GHz to 3.30 GHz	E-cores: 1.20 GHz to 3.50 GHz
Processor cache	6 MB	8 MB	8 MB	8 MB	12 MB	10 MB	12 MB	12 MB	12 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel UHD Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics

NOTE: P-cores refers to Performance-cores and E-cores refer to Efficient-cores.

Chipset

The following table lists the details of the chipset supported by your Latitude 3330.

Table 5. Chipset

Description	Values
Chipset	Intel (integrated with the processor)
Processor	11 th /12 th Generation Intel Core i3/i5/i7
DRAM bus width	Dual-channel, 64-bit
Flash EPROM	32 MB
PCIe bus	Up to Gen 4.0

Operating system

Your Latitude 3330 supports the following operating systems:

- Windows 11 Pro
- Windows 11 Home
- Windows 11 Pro Downgrade (Windows 10 image factory installed)
- Ubuntu 20.04 LTS, 64-bit

NOTE: Ubuntu is not available for 2-in-1 computers.

Memory

The following table lists the memory specifications of your Latitude 3330.

Table 6. Memory specifications

Description	Values
Memory slots	Integrated on the system board NOTE: You cannot upgrade the memory on your Latitude 3330

Table 6. Memory specifications (continued)

Description	Values
Memory type	LPDDR4x, single-channel, dual-channel
Memory speed	<ul style="list-style-type: none"> • 3733 MHz available on 11th Generation Intel Core i3 processors • 4267 MHz available on 11th Generation Intel Core i5/i7 processors/12th Generation Intel Core i3/i5/i7
Maximum memory configuration	16 GB
Minimum memory configuration	4 GB
Memory size per slot	4 GB and 8 GB
Memory configurations supported	<p>11th Generation Intel Core i3 processors:</p> <ul style="list-style-type: none"> • 4 GB, 1 x 4 GB, LPDDR4x, 3733 MHz, single-channel • 8 GB, 2 x 4 GB, LPDDR4x, 3733 MHz, dual-channel • 16 GB, 2 x 8 GB, LPDDR4x, 3733 MHz, dual-channel <p>11th Generation Intel Core i5/i7 processors/12th Generation Intel Core i3/i5/i7:</p> <ul style="list-style-type: none"> • 4 GB, 1 x 4 GB, LPDDR4x, 4267 MHz, single-channel • 8 GB, 2 x 4 GB, LPDDR4x, 4267 MHz, dual-channel • 16 GB, 2 x 8 GB, LPDDR4x, 4267 MHz, dual-channel

External ports

The following table lists the external ports on your Latitude 3330.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> • One USB 3.2 Gen 1 port with PowerShare • One USB 3.2 Gen 1 port • One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode 1.4/Power Delivery
Audio port	One universal audio port
Video port/ports	One HDMI 1.4 port
Media-card reader	One microSD-card slot
Power-adaptor port	One DC-in port (4.5 mm standard plug/USB-C port)
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Latitude 3330.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 Key-M (2280 or 2230) for solid-state drive One M.2 Key-E (2230) for WLAN, WiFi/Bluetooth <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) modules that are supported on your Latitude 3330.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Realtek RTL8822CE	Intel AX201
Transfer rate	Up to 867 Mbps	Up to 2400 Mbps
Frequency bands supported	2.40 GHz/5 GHz	2.40 GHz/5 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) 	<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
Bluetooth wireless card	Bluetooth 5.0	Bluetooth 5.2
	<p>NOTE: The version of the Bluetooth wireless card may vary depending on the operating system that is installed on your computer.</p>	

Audio

The following table lists the audio specifications of your Latitude 3330.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3204
Stereo conversion	Supported with Waves MaxxAudio Pro
Internal audio interface	High definition audio interface
External audio interface	One universal audio port

Table 10. Audio specifications (continued)

Description		Values
Number of speakers		Two
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 3330.

Your computer supports the following configurations:

- One M.2 2230/2280 solid-state drive

The M.2 2230/2280 solid-state drive is the primary drive of your computer.


Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen3 x4	Up to 1 TB
M.2 2230, Class 35 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB
M.2 2280, Class 40 solid-state drive	PCIe NVMe Gen4 x4	Up to 1 TB

Media-card reader

The following table lists the media cards supported by your Latitude 3330.

Table 12. Media-card reader specifications

Description	Values
Media-card type	One microSD 3.0 card
Media-cards supported	<ul style="list-style-type: none"> • Micro Secure Digital (mSD) • Micro Secure Digital High Capacity (mSDHC) • Micro Secure Digital Extended Capacity (mSDXC)
 NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Keyboard

The following table lists the keyboard specifications of your Latitude 3330.

Table 13. Keyboard specifications

Description	Values
Keyboard type	<ul style="list-style-type: none"> Standard backlit keyboard without fingerprint reader Standard backlit keyboard with fingerprint reader Standard non-backlit keyboard without fingerprint reader Standard non-backlit keyboard with fingerprint reader
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> United States and Canada: 79 keys United Kingdom: 80 keys Japan: 83 keys
Keyboard size	X = 19.05 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 3330.

Table 14. Camera specifications

Description	Clamshell	2-in-1
Number of cameras	One	One
Camera type	There is one camera option: <ul style="list-style-type: none"> HD RGB camera 	There is one camera option: <ul style="list-style-type: none"> FHD RGB IR Camera
Camera location	Front camera	Front Camera
Camera sensor type	CMOS sensor technology	CMOS sensor technology
Camera resolution:		
Still image	0.92 megapixel	2.07 megapixel
Video	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Infrared camera resolution:		
Still image	NA	0.3 megapixel
Video	NA	640 x 480 (VGA) at 15 fps

Table 14. Camera specifications (continued)

Description		Clamshell	2-in-1
Diagonal viewing angle:			
Camera		83.5 degrees	94 degrees
Infrared camera		NA	94 degrees

Touchpad

The following table lists the touchpad specifications of your Latitude 3330.

Table 15. Touchpad specifications

Description		Values
Touchpad resolution:		
	Horizontal	3184 dpi
	Vertical	1979 dpi
Touchpad dimensions:		
	Horizontal	105 mm (4.13 in.)
	Vertical	65 mm (2.56 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows, see the Microsoft knowledge base article at support.microsoft.com .


Power adapter

The following table lists the power adapter specifications of your Latitude 3330.

Table 16. Power adapter specifications

Description	Option one	Option two	Option three
Type	60 W AC adapter, USB-C (only for Japan)	65 W AC adapter, 4.5 mm barrel	65 W AC adapter, USB-C
Connector dimensions:			
	External diameter	NA	4.50 mm
	Internal diameter	NA	2.90 mm
Power-adapter dimensions:			
	Height	22.00 mm (0.866 in.)	28.00 mm (1.10 in.)
	Width	66.00 mm (2.598 in.)	108.00 mm (4.30 in.)
	Depth	55.00 mm (2.165 in.)	47.00 mm (1.90 in.)
Weight	0.105 kg (0.231 lb)	0.22 kg (0.50 lb)	0.201 kg (0.443 lb)
Input voltage	100 VAC - 240 VAC	100 VAC - 240 VAC	100 VAC - 240 VAC

Table 16. 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	1.60 A/1.70 A	1.70 A
Output current (continuous)	<ul style="list-style-type: none"> ● 20 V/3 A ● 15 V/3 A ● 9 V/3 A ● 5 V/3 A 	3.34 A	<ul style="list-style-type: none"> ● 20 V/3.25 A ● 15 V/3 A ● 9 V/3 A ● 5 V/3 A
Rated output voltage	<ul style="list-style-type: none"> ● 20 VDC ● 15 VDC ● 9 VDC ● 5 VDC 	19.50 VDC	<ul style="list-style-type: none"> ● 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 3330.

Table 17. Battery specifications

Description	Option one	Option two
Battery type	3-cell, rechargeable Li-ion battery, 41 Wh, ExpressCharge	4-cell, rechargeable Li-ion battery, 54 Wh, ExpressCharge
Battery voltage	11.25 VDC	15.00 VDC
Battery weight (maximum)	0.18 kg (0.40 lb)	0.23 kg (0.51 lb)
Battery dimensions:		
	Height	5.75 mm (0.22 in.)
	Width	206.40 mm (8.12 in.)
	Depth	82.00 mm (3.22 in.)
Temperature range:		
	Operating	0°C to 35°C (32°F to 95°F)
	Storage	-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.

Table 17. Battery specifications (continued)

Description	Option one	Option two
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 about Dell Power Manager, search in the Knowledge Base Resource at www.dell.com/support .	4 hours (when the computer is off) 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/	4 hours (when the computer is off) 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/
Coin-cell battery	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 3330.

Table 18. Display specifications

Description	Clamshell	2-in-1
Display type	13.3-inch, Full High Definition (FHD)	13.3-inch, Full High Definition (FHD)
Display-panel technology	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.)
Width	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.)
Display-panel native resolution	1920 x 1080	1920 x 1080
Luminance (typical)	250 nits	300 nits
Megapixels	2.07	2.07
Color gamut	45% NTSC	72% NTSC
Pixels Per Inch (PPI)	166	166
Contrast ratio (minimum)	600:1	600:1
Response time (maximum)	35 ms	35 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	85 +/- degrees (maximum)	85 +/- degrees (maximum)

Table 18. Display specifications (continued)

Description	Clamshell	2-in-1
Vertical view angle	85 +/- degrees (maximum)	85 +/- degrees (maximum)
Pixel pitch	0.153 mm x 0.153 mm	0.153 mm x 0.153 mm
Power consumption (maximum)	3.50 W	4.20 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare
Touch options	Non-touch	Touch
Stylus	NA	Yes, Wacom (G14) with Pandora and Caspian pen support for MPP 1.51 (Microsoft Pen Protocol)

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Latitude 3330.


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

Table 19. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Trans-capacitive
Fingerprint-reader sensor resolution	550 dpi
Fingerprint-reader sensor pixel size	<ul style="list-style-type: none"> • X: 108 • Y: 88

Sensor

The following table lists the sensor of your Latitude 3330.

Table 20. Sensor

Sensor support
Accelerometer
Adaptive Thermal Performance
Hall Effect Sensor
Digital Compass (Magnetometer) (only for 2-in-1 computers, an upsell option)
Accelerometer (G sensor) (only for 2-in-1 computers, an upsell option)
Screen Rotation Support (only for 2-in-1 computers, an upsell option)

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 3330.

Table 21. GPU—Integrated

Controller	Memory size	Processor
Intel UHD Graphics	Shared system memory	Intel Core i3 Processors
Intel Iris X ^e Graphics	Shared system memory	Intel Core i5/i7 Processors

Multiple display support matrix

The following table lists the multiple display support matrix for your Latitude 3330.

Table 22. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel UHD Graphics	Not applicable	3	3
Intel Iris X ^e Graphics	Not applicable	3	3

Hardware security

The following table lists the hardware security of your Latitude 3330.

Table 23. Hardware security

Hardware security
One wedge-shaped lock slot
Mechanical privacy shutter for camera

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 3330.

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

Table 24. 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	0 m to 3048 m (0 ft to 10000 ft)	0 m to 10668 m (0 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.

Keyboard shortcuts of Latitude 3330

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 25. List of keyboard shortcuts


Function key	Primary behavior
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Play/Pause
F5	Click keyboard backlight (optional). 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 brightness
F7	Increase brightness
F8	Switch to external display
F10	Print screen
F11	Home
F12	End

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

Table 26. Secondary behavior

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

Table 26. Secondary behavior (continued)



Function key	Secondary behavior
Fn + F5	Operating system and application specific F5 behavior
Fn + F6	Operating system and application specific F6 behavior
Fn + F7	Operating system and application specific F7 behavior
Fn + F8	Operating system and application specific F8 behavior
Fn + F10	Operating system and application specific F10 behavior
Fn + F11	Operating system and application specific F11 behavior
Fn + F12	Operating system and application specific F12 behavior
Fn + PrtScr	Turn off/on wireless
Fn + B	Pause
Fn + Ctrl + B	Break
Fn + Insert	Sleep
Fn + S	Toggle scroll lock
Fn + H	Toggle between power and battery-status light/hard-drive activity light
Fn + R	System request
Fn + Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock
Fn + PgUp	Page up
Fn + PgDn	Page down
Fn + Home	Home
Fn + End	End
Fn + Right Ctrl	Shortcut/Secondary menu assigned to right Ctrl key
Fn + Shift + B	<p data-bbox="805 1290 1061 1321">Calls unobtrusive mode</p> <p data-bbox="805 1321 1495 1476"> NOTE:  The key sequence will call unobtrusive mode. The hotkey sequence will be disabled by default to prevent accidental actuation. You may enable through BIOS setup option. </p>

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 27. 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 www.dell.com/support/linux
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support . For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer .
Dell knowledge base articles for a variety of computer concerns	<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.