

Specifications of Dell 15 DC15250

Dimensions and weight

The following table lists the height, width, depth, and weight of your Dell 15 DC15250.

Table 3. Dimensions and weight

Description	Computer shipped with plastic chassis	Computer shipped with aluminum chassis
Height:		
Front height	16.96 mm (0.67 in.)	15.52 mm (0.61 in.)
Rear height	18.99 mm (0.75 in.)	17.50 mm (0.69 in.)
Width	358.50 mm (14.11 in.)	358.50 mm (14.11 in.)
Depth	235.56 mm (9.27 in.)	234.90 mm (9.25 in.)
Weight (maximum) <i>i</i> NOTE: The weight of your computer depends on the configuration that is ordered.	1.90 kg (4.19 lb)	1.94 kg (4.28 lb)

Processor

The following table lists the details of the processors that are supported in your Dell 15 DC15250.

Table 4. Processor

Description	Option one	Option two	Option three
Processor type	13th Gen Intel Core i5-1334U	13th Gen Intel Core i7-1355U	Intel Core 3 100U
Processor wattage	15 W	15 W	15 W
Processor total core count	10	10	6
Performance-cores	2	2	2
Efficient-cores	8	8	4
Processor total thread counts <i>i</i> NOTE: Intel Hyper-Threading Technology is only available on Performance-cores.	12	12	8
Processor speed	Up to 4.6 GHz	Up to 5 GHz	Up to 4.7 GHz
Performance-cores frequency			

Table 4. Processor (continued)

Description		Option one	Option two	Option three
	Processor base frequency	1.3 GHz	1.7 GHz	1.2 GHz
	Maximum turbo frequency	4.6 GHz	5 GHz	4.7 GHz
Efficient-cores frequency				
	Processor base frequency	0.9 GHz	1.2 GHz	0.9 GHz
	Maximum turbo frequency	3.4 GHz	3.7 GHz	3.3 GHz
Processor cache		12 MB	12 MB	10 MB
Integrated graphics		Intel Iris X ^e Graphics	Intel Iris X ^e Graphics	Intel Graphics

Chipset

The following table lists the details of the chipset that is supported by your Dell 15 DC15250.

Table 5. Chipset

Description	Option one	Option two
Processors	Intel Core 3 100U	13th Gen Intel Core i5/i7 processors
Chipset	Integrated with the processor	Integrated with the processor
DRAM bus width	64-bit	64-bit
Flash EPROM	32 MB	32 MB
PCIe bus	Up to Gen3	Up to Gen3/Gen4

Operating system

Your Dell 15 DC15250 supports the following operating systems:

- Windows 11 Pro
- Windows 11 Pro National Academic
- Windows 11 Home
- Windows 11 Home (S mode)
- Ubuntu Linux 22.04 LTS, 64-bit

Memory

The following table lists the memory specifications of your Dell 15 DC15250.

Table 6. Memory specifications

Description	Values
Memory slots	Two SODIMM slots

Table 6. Memory specifications (continued)

Description	Values
Memory type	DDR4, DDR5
Memory speed	For DDR4: <ul style="list-style-type: none"> • 2666 MHz (for computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port (data only)) • 3200 MHz (for computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port with DisplayPort Alt Mode 1.4/Power Delivery) For DDR5: <ul style="list-style-type: none"> • 4400 MT/s (for computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port (data only)) • 5200 MT/s (for computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port with DisplayPort Alt Mode 1.4/Power Delivery)
Maximum memory configuration	16 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB or 16 GB
Memory configurations supported	<p>For computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port (data only)</p> <ol style="list-style-type: none"> For DDR4: <ul style="list-style-type: none"> • 8 GB: 1 x 8 GB, DDR4, 2666 MT/s • 16 GB: 1 x 16 GB, DDR4, 2666 MT/s • 16 GB: 2 x 8 GB, DDR4, 2666 MT/s (only for Brazil) For DDR5: <ul style="list-style-type: none"> • 8 GB: 1 x 8 GB, DDR5, 4400 MT/s • 16 GB: 1 x 16 GB, DDR5, 4400 MT/s <p>For computers shipped with USB 3.2 Gen 1 (5 Gbps) Type-C port with DisplayPort Alt Mode 1.4/Power Delivery</p> <ol style="list-style-type: none"> For DDR4: <ul style="list-style-type: none"> • 16 GB: 1 x 16 GB, DDR4, 3200 MT/s • 16 GB: 2 x 8 GB, DDR4, 3200 MT/s (only for Brazil) For DDR5: <ul style="list-style-type: none"> • 8 GB: 1 x 8 GB, DDR5, 5200 MT/s • 16 GB: 1 x 16 GB, DDR5, 5200 MT/s


External ports and slots

The following table lists the external ports and slots on your Dell 15 DC15250.

Table 7. External ports and slots

Description	Values
USB ports	<ul style="list-style-type: none"> • One USB 3.2 Gen 1 (5 Gbps) port • One USB 2.0 (480 Mbps) port • One USB 3.2 Gen 1 (5 Gbps) Type-C port (only for computers with plastic chassis) • One USB 3.2 Gen 1 (5 Gbps) Type-C port with DisplayPort Alt Mode 1.4/Power Delivery


Table 7. External ports and slots (continued)

Description	Values
Audio port	One Universal Audio port
Video port(s)	<ul style="list-style-type: none"> One HDMI 1.4 port <p> NOTE: The maximum resolution supported by HDMI port is 1920 x 1080 at 60 Hz.</p> <ul style="list-style-type: none"> One USB 3.2 Gen 1 (5 Gbps) Type-C port with DisplayPort Alt Mode 1.4/Power Delivery
Media-card reader	One SD-card slot
Power-adaptor port	One DC-in port (4.50 mm standard plug)
Security-cable slot	Not supported

Internal slots

The following table lists the internal slots of your Dell 15 DC15250.

Table 8. Internal slots

Description	Values
M.2	<ul style="list-style-type: none"> One M.2 Key-M (2230/2280) slot for solid state drive One M.2 2230 Key-E slot for Wi-Fi and Bluetooth combo card <p> NOTE: To learn more about the features of different types of M.2 cards, search Dell Support Site.</p>


Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules that are supported on your Dell 15 DC15250.

Table 9. Wireless module specifications

Description	Option one	Option two
Model number	Realtek RTL8821CE	Realtek RTL8852BE
Transfer rate	Up to 433 Mbps	Up to 1201 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 wireless card	Bluetooth 5.3 wireless card

Table 9. Wireless module specifications (continued)

Description	Option one	Option two
 NOTE: The functionality of the Bluetooth wireless card may vary based on the operating system.		

Audio

The following table lists the audio specifications of your Dell 15 DC15250.

Table 10. Audio specifications

Description	Values	
Audio controller	There are two audio controller options: <ul style="list-style-type: none"> Realtek ALC3204 Realtek ALC3254 	
Stereo conversion	Supported	
Internal audio interface	High Definition Audio interface	
External audio interface	One Universal Audio port	
Number of speakers	Two	
Internal-speaker amplifier	Supported	
External volume controls	Keyboard shortcut controls	
Speaker output:		
	Average	2 W x 2 = 4 W
	Peak	2.5 W x 2 = 5 W
Microphone	<ul style="list-style-type: none"> Single integrated microphone (for computers shipped with plastic chassis) Dual-array microphones (for computers shipped with aluminum chassis) 	

Storage

This section lists the storage options on your Dell 15 DC15250.

Your Dell 15 DC15250 supports one M.2 2230 solid state drive. The M.2 2230 solid state drive is the primary storage drive of your computer.


Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230 solid state drive	PCIe NVMe Gen4 x4	Up to 1 TB

Media-card reader

The following table provides the specification of media cards that are supported by your Dell 15 DC15250.


Table 12. Media-card reader specifications

Description	Values
Media-card slot type	One SD-card slot
Media-cards supported	<ul style="list-style-type: none">Secure Digital (SD)Secure Digital High Capacity (SDHC)Secure Digital Extended Capacity (SDXC)
 NOTE: The maximum capacity of the media-card reader varies depending on the standard of the media card that is inserted in your computer.	


Keyboard

The following table lists the keyboard specifications of your Dell 15 DC15250.

Table 13. 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">Arabic, Canada (Bilingual) (MUI), English International, English US, Greek, Hebrew, Russian, Thai, Ukrainian: 99 keysBelgian, Bulgarian, Czech/Slovak (MUI), English UK, French (European), German, Hungarian, Italian, Portuguese, Slovenian, Spanish (Castilian), Spanish (Latin America), Swiss/European (MUI), Turkish: 100 keysJapanese: 103 keys
Key pitch	X = 18.70 mm Y = 18.05 mm
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>  NOTE: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.

Keyboard shortcuts of Dell 15 DC15250

 **NOTE:** Keyboard characters may differ depending on the keyboard language configuration. Keys that are 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 that is 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 that is 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 multimedia control, as indicated by the icon on the key. Press the function key to enable the task represented by the icon. For example, pressing F1 mutes the audio (see the table below).

However, if the function keys F1-F12 are needed for specific software applications, multimedia functionality can be disabled by pressing **Fn + Esc**. Later, multimedia 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 the BIOS setup program.

Table 14. Function key primary behavior

Function key	Primary behavior
F1	Mute or unmute audio
F2	Decrease volume
F3	Increase volume
F4	Play or Pause
F5	Keyboard illumination/backlight  NOTE: Non-backlight keyboards have F5 function key without the backlight icon and do not support toggle keyboard backlight function.
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 different functions.

Table 15. Secondary behavior

Function key	Secondary behavior
Fn + F1 to F12	Operating system or application-specific behavior
Fn + Ctrl	Open the application menu
Fn + Esc	Toggle between multimedia and function key behavior
Fn + PgUp	Scroll up the document or page
Fn + PgDn	Scroll down the document or page
Fn + Home	F11 key
Fn + End	F12 key

Camera

The following table lists the camera specifications of your Dell 15 DC15250.

Table 16. Camera specifications

Description	Computer shipped with plastic chassis	Computer shipped with aluminum chassis
Number of cameras	One	One
Camera type	HD RGB camera	FHD RGB camera
Camera location	Front camera	Front camera
Camera sensor type	CMOS sensor technology	CMOS sensor technology
Camera resolution:		
Still image	0.92 megapixel	2.00 megapixel
Video	1280 x 720 (HD) at 30 fps	1920 x 1080 (FHD) at 30 fps
Diagonal viewing angle	83.50 degrees	86.30 degrees

Touchpad

The following table lists the touchpad specifications of your Dell 15 DC15250.

Table 17. Touchpad specifications

Description	Values
Touchpad resolution:	
Horizontal	> 300 dpi
Vertical	> 300 dpi
Touchpad dimensions:	
Horizontal	115.00 mm (4.53 in.)
Vertical	80.00 mm (3.15 in.)
Touchpad gestures	For more information about the touchpad gestures available on Windows, search Microsoft Support Site .


Power adapter

The following table lists the power adapter specifications of your Dell 15 DC15250.

Table 18. Power-adapter specifications

Description	Values
Type	65 W
Connector dimensions:	
External diameter	4.50 mm (0.18 in.)

Table 18. Power-adaptor specifications (continued)

Description		Values
	Internal diameter	2.90 mm (0.11 in.)
Power-adaptor dimensions:		
	Height	28.00 mm (1.10 in.)
	Width	47.00 mm (1.90 in.)
	Depth	108.00 mm (4.30 in.)
Power-adaptor weight (maximum)		0.29 kg (0.64 lb)
Input voltage		100 VAC - 240 VAC
Input frequency		50 Hz - 60 Hz
Input current (maximum)		1.60 A/1.70 A
Output current (continuous)		3.34 A/3.25 A
Rated output voltage		19.50 VDC/20 VDC
Temperature range:		
	Operating	0°C to 40°C (32°F to 104°F)
	Storage	-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 Dell 15 DC15250.

Table 19. Battery specifications

Description	Option one	Option two	
Battery type	3-cell, 41 Wh, Lithium Ion Polymer, ExpressCharge	4-cell, 54 Wh, Lithium Ion Polymer, ExpressCharge	
Battery voltage	11.25 VDC	15.00 VDC	
Battery weight (maximum)	0.19 kg (0.41 lb)	0.24 kg (0.55 lb)	
Battery dimensions:			
	Height	206.40 mm (8.12 in.)	271.90 mm (10.70 in.)
	Width	82.00 mm (3.22 in.)	82.00 mm (3.22 in.)
	Depth	5.75 mm (0.22 in.)	5.75 mm (0.22 in.)
Temperature range:			
	Operating	When charging battery:	When charging battery:

Table 19. Battery specifications (continued)

Description	Option one	Option two
	<ul style="list-style-type: none"> Initiating charging: 0°C to 45°C (32°F to 113°F) Upper limit for charging (maximum): 50°C (122°F) When discharging battery: <ul style="list-style-type: none"> Normal discharging: 0°C to 60°C (32°F to 140°F) Over temperature protection (maximum): 70°C (158°F) <p>i NOTE: The battery does not allow discharge past this temperature.</p>	<ul style="list-style-type: none"> Initiating charging: 0°C to 45°C (32°F to 113°F) Upper limit for charging (maximum): 50°C (122°F) When discharging battery: <ul style="list-style-type: none"> Normal discharging: 0°C to 60°C (32°F to 140°F) Over temperature protection (maximum): 70°C (158°F) <p>i NOTE: The battery does not allow discharge past this temperature.</p>
Storage	-20°C to 60°C (-4°F to 140°F)	-20°C to 60°C (-4°F to 140°F)
Battery operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions
Battery charging time (approximate) i NOTE: You can control the charging time, duration, start and end time, and so on, using the settings on the MyDell (replaced with Dell Optimizer) application (Power option). For more information about MyDell application, search Dell Support Site .	<p>Standard Charge/Predominately AC User Charge Method:</p> <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 <p>Express Charge Method:</p> <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 	<p>Standard Charge/Predominately AC User Charge Method:</p> <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 <p>Express Charge Method:</p> <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
Coin-cell battery	Not supported	Not supported
<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 Technologies recommends that you charge the battery regularly for optimal power consumption.</p>		

Power requirements (3-cell, 41 Wh battery)

i **NOTE:** The information in this section is applicable to the European Union (EU) countries.

i **NOTE:** Only devices with DDR5 memory and a fully functional USB Type-C port supporting DisplayPort Alt Mode 1.4 and Power Delivery are compatible with the EU common charger standard.

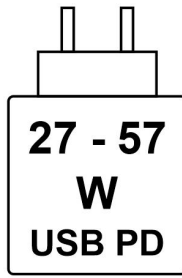


Figure 3. Pictogram for power charging requirements

The power that is delivered by the charger must be between a minimum of 27 Watts that is required by the radio equipment, and a maximum of 57 Watts in order to achieve the maximum charging speed.

This computer supports USB Power Delivery (PD) fast charging.

Power requirements (4-cell, 54 Wh battery)

NOTE: The information in this section is applicable to the European Union (EU) countries.

NOTE: Only devices with DDR5 memory and a fully functional USB Type-C port supporting DisplayPort Alt Mode 1.4 and Power Delivery are compatible with the EU common charger standard.

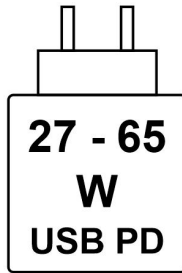


Figure 4. Pictogram for power charging requirements

The power that is delivered by the charger must be between a minimum of 27 Watts that is required by the radio equipment, and a maximum of 65 Watts in order to achieve the maximum charging speed.

This computer supports USB Power Delivery (PD) fast charging.

Display

The following table lists the display specifications of your Dell 15 DC15250.

Table 20. Display specifications

Description	Option one	Option two	Option three
Display type	15.6" Full High Definition (FHD)	15.6" Full High Definition (FHD)	TBD
Touch options	No	Yes	TBD
Display-panel technology	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	TBD
Display-panel dimensions (active area):			
Height	193.59 mm (7.62 in.)	193.59 mm (7.62 in.)	TBD

Table 20. Display specifications (continued)

Description		Option one	Option two	Option three
	Width	344.16 mm (13.55 in.)	344.16 mm (13.55 in.)	TBD
	Diagonal	394.87 mm (15.55 in.)	394.87 mm (15.55 in.)	TBD
Display-panel native resolution		1920 x 1080	1920 x 1080	TBD
Luminance (typical)		250 nits	220 nits	___ nits
Megapixels		2.07	2.07	TBD
Color gamut		45% NTSC	45% NTSC	TBD
Pixels Per Inch (PPI)		141	141	TBD
Contrast ratio (typical)		600:1	700:1	TBD
Response time (maximum)		35 milliseconds	35 ms	___ ms
Refresh rate		120 Hz	60 Hz	___ Hz
Horizontal view angle		80 +/- degrees (minimum)	80 +/- degrees (minimum)	TBD
Vertical view angle		80 +/- degrees (minimum)	80 +/- degrees (minimum)	TBD
Pixel pitch		0.18 x 0.18	0.18 x 0.18	TBD
Power consumption (maximum)		5.25W	4.01 W	___ W
Anti-glare vs glossy finish		Anti-Glare	Anti-Glare	TBD

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint reader of your Dell 15 DC15250.


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

Table 21. Fingerprint reader specifications

Description	Values
Sensor technology	Capacitive sensing
Sensor resolution	500 dpi
Sensor pixel size	108 x 88 pixels

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Dell 15 DC15250.

Table 22. GPU—Integrated

Controller	Memory size	Processor
Intel Graphics	Shared system memory	Intel Core 3 100U processor
Intel Iris X ^e Graphics/Intel UHD Graphics	Shared system memory (dual-channel)	13th Gen Intel Core i5/i7 processors

Multiple display support matrix

The following table lists the multiple display support matrix for your Dell 15 DC15250.

Table 23. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel Graphics	Not supported	1	2
Intel Iris X ^e Graphics/Intel UHD Graphics	Not supported	2	3

Hardware security

The following table lists the hardware security of your Dell 15 DC15250.

Table 24. Hardware security

Hardware security
Windows Hello - Fingerprint Reader (optional)
Trusted Platform Module TPM 2.0

Operating and storage environment


This table lists the operating and storage specifications of your Dell 15 DC15250.

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

Table 25. Computer environment

Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G†

Table 25. Computer environment (continued)

Description	Operating	Storage
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 the user environment.

† Measured using a 2 ms half-sine pulse.

Dell support policy

For information about Dell support policy, search [Dell Support Site](#).

ComfortView

 **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.

Dell ComfortView software technology reduces harmful blue light emissions to make extended screen time easy on your eyes.

ComfortView mode can be enabled and configured using the Dell CinemaColor application.

ComfortView mode complies with TÜV Rheinland's requirement for low blue light displays.

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 cm and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Take an extended break for 20 minutes every two hours.
- 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.