

## DELL Latitude 3450 Intel® Core™ i5 i5-1335U Laptop 35.6 cm (14") Full HD 8 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Spanish Grey

Brand : DELL

Product family: Latitude

Product code: 1MVRG

Product name : 3450

DELL Latitude 3450. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1335U. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey. Weight: 1.5 kg





Design		Network	
Product type * Product colour * Form factor * Market positioning	Laptop Grey Clamshell Business	WLAN controller model WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates	Intel Wi-Fi 6E AX211 Intel ✓ 10,100,1000 Mbit/s
Display		Bluetooth	1
Display diagonal * Display resolution *	35.6 cm (14") 1920 x 1080 pixels	<b>Ports &amp; interfaces</b> USB 3.2 Gen 1 (3.1 Gen 1) Type-A	
Touchscreen *	×	ports quantity *	3
HD type	Full HD	USB4 Gen 2x2 ports quantity	1
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
LED backlight	<ul> <li>Image: A set of the set of the</li></ul>	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	1.4
Anti-glare screen	1	Combo headphone/mic port	4
Display brightness	250 cd/m²	PowerShare	<ul> <li>Image: A set of the set of the</li></ul>
Pixel pitch Pixel density	0.161 x 0.161 mm 157 ppi	Number of USB ports with PowerShare support	1
RGB colour space	NTSC	Keyboard	
Colour gamut	45%	Pointing device	Touchpad
Display response rise/fall	35 ms	Numeric keypad *	×
Maximum refresh rate	60 Hz	Keyboard backlit	×
Contrast ratio (typical)	700:1	Spill-resistant keyboard	1
Processor		Keyboard number of keys	80
Processor manufacturer *	Intel	Keyboard language	Spanish
Processor family *	Intel® Core™ i5	Copilot key	1
Processor generation	13th gen Intel® Core™ i5	Software	
Processor model *	i5-1335U		CA MI
Processor cores	10	Operating system architecture	64-bit
Processor threads	12		

Processor		Software	
Processor boost frequency	4.6 GHz	Operating system language	English, Spanish, French, Brazilian- Portuguese
Performance cores	2		Activate Your Microsoft 365 For A 30
Efficient cores	8	Trial software	Day Trial
Performance-core Max Turbo Frequency	4.6 GHz	Operating system installed *	Windows 11 Pro
Efficient-core Max Turbo Frequency	3.4 GHz	Brand-specific features	
Processor cache	12 MB	Brand specific technologies	Express Charge Boost capable
Processor cache type	Smart Cache		
Processor base power	15 W	Battery	-
Maximum turbo power	55 W	Number of battery cells Battery capacity *	3 42 Wh
Memory		Battery voltage	42 WI 11.4 V
Internal memory *	8 GB	Battery recharge time	4 h
Internal memory type	DDR5-SDRAM	Fast charging	<b>v</b>
Memory form factor	SO-DIMM	Battery weight	190 g
Memory layout (slots x size)	1 x 8 GB		
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	65 W
Memory data transfer rate	5200 MT/s	AC adapter frequency	50/60 Hz 100 - 240 V
Storage		AC adapter input voltage USB Type-C charging port *	100 - 240 V
Total storage capacity *	512 GB	,	
Storage media *	SSD	USB Power Delivery (USB PD) USB charging voltage	✓ 20 E 0 1E V
Total SSDs capacity	512 GB	5 5 5	20,5,9,15 V 3.25 A
Number of SSDs installed	1	USB charging current	3.25 A
SSD capacity	512 GB	Security	
SSD interface	PCI Express	Cable lock slot	1
NVMe	<b>√</b>	Cable lock slot type	Wedge
SSD form factor SSD performance class	M.2 25	Trusted Platform Module (TPM)	1
Optical drive type *	×	Trusted Platform Module (TPM) version	2.0
Card reader integrated	×		
-	^	Operational conditions	
Graphics		Operating temperature (T-T)	0 - 40 °C
	Not available	Storage temperature (T-T) Operating relative humidity (H-H)	-40 - 65 °C 0 - 90%
Discrete graphics card model *			0 - 90%
On-board graphics card *	1		
On-board graphics card * On-board GPU manufacturer	✓ Intel	Storage relative humidity (H-H)	0 - 95%
On-board graphics card * On-board GPU manufacturer Discrete graphics card *		Storage relative humidity (H-H) Operating altitude	0 - 95% -15.2 - 3048 m
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family	Intel × Intel Iris Xe Graphics	Storage relative humidity (H-H) Operating altitude Non-operating altitude	0 - 95%
On-board graphics card * On-board GPU manufacturer Discrete graphics card *	Intel ×	Storage relative humidity (H-H) Operating altitude	0 - 95% -15.2 - 3048 m -15.2 - 10668 m
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family	Intel × Intel Iris Xe Graphics	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model *	Intel × Intel Iris Xe Graphics	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system	Intel  Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration <b>Certificates</b> Compliance certificates	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers	Intel  Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers Speakers manufacturer	Intel  Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration <b>Certificates</b> Compliance certificates	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign ENERGY STAR, EPEAT Climate +,
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power	Intel X Intel Iris Xe Graphics Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone	Intel X Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W V	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones	Intel X Intel Iris Xe Graphics Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone	Intel X Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W V	Storage relative humidity (H-H) Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones	Intel  X Intel Iris Xe Graphics Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W  ✓ 2	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front)	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm 1.77 cm
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones <b>Camera</b> Front camera resolution (numeric)	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxXAudio Pro 2 Waves 2 W ↓ 2 2 1 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Storage relative humidity (H-H) Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm 1.77 cm 1.93 cm
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones <b>Eamera</b> Front camera Front camera resolution (numeric) Front camera resolution	Intel X Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W V 2 C 1 2 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight *	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm 1.77 cm
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones <b>Camera</b> Front camera resolution (numeric) Front camera resolution Front camera HD type	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W ✓ 2 C 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Storage relative humidity (H-H) Operating altitude Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight * Carbon footprint	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign S22.2 mm 219.4 mm 1.77 cm 1.93 cm 1.5 kg
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones <b>Camera</b> Front camera Front camera resolution (numeric) Front camera HD type Video capturing speed	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W ✓ 2 Xor MP 1920 x 1080 pixels Full HD 30 fps	Storage relative humidity (H-H) Operating altitude Non-operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight * Carbon footprint (kg of CO2e)	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm 1.77 cm 1.93 cm 1.5 kg 111
On-board graphics card * On-board GPU manufacturer Discrete graphics card 4 On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones Number of microphones Front camera Front camera resolution (numeric) Front camera resolution Front camera HD type Video capturing speed Privacy camera	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W ✓ 2 2 V 2 1 2 1 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Storage relative humidity (H-H) Operating altitude Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight * Carbon footprint	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign S22.2 mm 219.4 mm 1.77 cm 1.93 cm 1.5 kg
On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones <b>Camera</b> Front camera resolution (numeric) Front camera resolution (numeric) Front camera HD type Video capturing speed Privacy camera Privacy type	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W ✓ 2 Xor MP 1920 x 1080 pixels Full HD 30 fps	Storage relative humidity (H-H) Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight * Carbon footprint (kg of CO2e) Carbon emissions, manufacturing	0 - 95% -15.2 - 3048 m -15.2 - 10668 m 140 G 0.66 G EcoDesign EcoDesign ENERGY STAR, EPEAT Climate +, EPEAT Silver 322.2 mm 219.4 mm 1.77 cm 1.93 cm 1.5 kg 111 82
On-board graphics card * On-board GPU manufacturer Discrete graphics card 4 On-board graphics card family On-board graphics card family On-board graphics card model * <b>Audio</b> Audio chip Audio chip Audio system Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone Number of microphones Mumber of microphones Front camera Front camera resolution (numeric) Front camera resolution Front camera HD type Video capturing speed Privacy camera	Intel × Intel Iris Xe Graphics Intel Iris Xe Graphics Realtek ALC3204 MaxxAudio Pro 2 Waves 2 W ✓ 2 2 V 2 1 2 1 1 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Storage relative humidity (H-H) Operating altitude Operating shock Operating vibration Certificates Compliance certificates Sustainability Sustainability certificates Weight & dimensions Width Depth Height (front) Height (rear) Weight * Carbon footprint (kg of CO2e) Carbon emissions, manufacturing (kg of CO2e)	0 - 95%         -15.2 - 3048 m         -15.2 - 10668 m         140 G         0.66 G         EcoDesign         EcoDesign         ENERGY STAR, EPEAT Climate +,         S22.2 mm         219.4 mm         1.77 cm         1.93 cm         1.5 kg         111         82         4

## Network

Wi-Fi standards

Mobile network connection \* Wi-Fi data rate (max) Antenna type 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax) X 2400 Mbit/s 2x2

## Carbon footprint

Carbon emissions, end-of-life (kg of CO2e) Total carbon emissions, w/o use phase (kg of CO2e) PAIA version GaBi version 1, 2024

## Packaging content

Cables included

AC





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