



DELL Latitude 5450 Intel Core Ultra 7 155U Laptop 35.6 cm (14") Full HD 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Latitude

Product code: JNP9W

Product name : 5450



DELL Latitude 5450. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155U. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey. Weight: 1.4 kg



Design		Network	
Product type *	Laptop	Wi-Fi data rate (max)	2400 Mbit/s
Product colour *	Grey	Antenna type	2x2
Form factor *	Clamshell	WLAN controller model	Intel Wi-Fi 6E AX211
Market positioning	Business	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✓
Display diagonal *	35.6 cm (14")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touchscreen *	✗	Ports & interfaces	
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI version	2.1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	2
Display brightness	250 cd/m ²	Intel® Thunderbolt 4	✓
Pixel pitch	0.161 x 0.161 mm	Combo headphone/mic port	✓
Pixel density	157 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	NTSC	PowerShare	✓
Colour gamut	45%	Number of USB ports with PowerShare support	1
Display response rise/fall	35 ms	Performance	
Maximum refresh rate	60 Hz	Motherboard chipset	Intel SoC
Contrast ratio (typical)	600:1	Ambient light sensor	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel Core Ultra 7	Keyboard language	Belgian
Processor generation	Intel® Core™ Ultra (Series 1)		
Processor model *	155U		
Processor cores	12		
Processor threads	14		

Processor		Keyboard	
Processor boost frequency	4.8 GHz	Numeric keypad *	✗
Performance cores	2	Keyboard backlit	✓
Efficient cores	8	Keyboard number of keys	80
Low Power Efficient-cores	2	Copilot key	✓
Performance-core Max Turbo Frequency	4.8 GHz	Software	
Efficient-core Max Turbo Frequency	3.8 GHz	Operating system architecture	64-bit
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Operating system language	German, Dutch, English, French, Italian
Performance-core base frequency	1.7 GHz	Trial software	Activate Your Microsoft 365 For A 30 Day Trial
Efficient-core base frequency	1.2 GHz	Operating system installed *	Windows 11 Pro
Low Power Efficient-core Base Frequency	700 MHz	Microsoft Copilot	✓
Processor cache	12 MB	Copilot+ PC	✓
Processor cache type	Smart Cache	Brand-specific features	
Processor base power	15 W	Brand specific technologies	ExpressSign-In, TNR
Maximum turbo power	57 W	Battery	
Neural processor unit (NPU)		Number of battery cells	3
Neural processor unit (NPU)	Intel AI Boost	Battery capacity *	54 Wh
Maximum frequency NPU	1.4 GHz	Battery voltage	11.4 V
Sparsity support	✓	Battery recharge time	3 h
Windows Studio effects support	✓	Fast charging	✓
AI datatype support on NPU	FP16, FP32, Int8	Battery weight	220 g
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Power	
Memory		AC adapter power	65 W
Internal memory *	16 GB	AC adapter frequency	50/60 Hz
Internal memory type	DDR5-SDRAM	AC adapter input voltage	100 - 240 V
Memory form factor	SO-DIMM	USB Type-C charging port *	✓
Memory layout (slots x size)	2 x 8 GB	USB Power Delivery (USB PD)	✓
Memory slots	2x SO-DIMM	USB charging voltage	20,5,9,15 V
Maximum internal memory *	64 GB	USB charging current	3.25 A
Memory data transfer rate	5600 MT/s	Security	
Storage		Cable lock slot	✓
Total storage capacity *	512 GB	Cable lock slot type	Wedge
Storage media *	SSD	Fingerprint reader	✓
Total SSDs capacity	512 GB	Smart card reader	✓
Number of SSDs installed	1	Face recognition	✓
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD memory type	TLC	Trusted Platform Module (TPM) version	2.0
SSD interface	PCI Express 4.0	Operational conditions	
NVMe	✓	Operating temperature (T-T)	0 - 35 °C
SSD form factor	M.2	Storage temperature (T-T)	-40 - 65 °C
Optical drive type *	✗	Operating relative humidity (H-H)	10 - 90%
Card reader integrated	✗	Storage relative humidity (H-H)	0 - 95%
Graphics		Operating altitude	-15.2 - 3048 m
Discrete graphics card model *	Not available	Non-operating altitude	-15.2 - 10668 m
On-board graphics card *	✓	Operating shock	110 G
On-board GPU manufacturer	Intel	Non-operating shock	160 G
Discrete graphics card *	✗	Operating vibration	0.66 G
On-board graphics card model *	Intel Graphics	Non-operating vibration	1.3 G
Audio		Sustainability	
Audio system	MaxxAudio Pro	Sustainability compliance	✓
Number of built-in speakers	2	Sustainability certificates	EPEAT Climate +, EPEAT Gold
Speakers manufacturer	Waves	Weight & dimensions	
Speaker power	2 W	Width	321.4 mm
Built-in microphone	✓		
Number of microphones	2		

Camera		Weight & dimensions	
Front camera	✓	Depth	212 mm
Front camera resolution (numeric)	2.07 MP	Height (front)	1.91 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	2.1 cm
Front camera HD type	Full HD	Weight *	1.4 kg
Video capturing speed	30 fps	Carbon footprint	
Infrared (IR) camera	✓	Total carbon footprint (kg of CO2e)	111
Privacy camera	✓	Carbon emissions, manufacturing (kg of CO2e)	81
Privacy type	Privacy shutter	Carbon emissions, logistics (kg of CO2e)	4
Network		Carbon emissions, energy usage (kg of CO2e)	24
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Carbon emissions, end-of-life (kg of CO2e)	2
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)	Total carbon emissions, w/o use phase (kg of CO2e)	87
Mobile network connection *	✗	PAIA version	GaBi version 1, 2024
Wi-Fi band	Dual-band (2.4 GHz / 5 GHz)	Packaging content	
		AC adapter included *	✓
		Cables included	AC



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