



DELL Latitude 7650 Intel Core Ultra 7 165U Laptop 40.6 cm (16") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : DELL

Product family: Latitude

Product code: 05D4V

Product name : 7650



- Windows 11 Pro 64-bit
- Intel Core Ultra 7 165U (12MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 IPS
- 16GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 7 165U (12MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 IPS, Intel Graphics, WLAN, Webcam, Windows 11 Pro 64-bit



DELL Latitude 7650 Intel Core Ultra 7 165U Laptop 40.6 cm (16") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey:

Work from anywhere with our most intelligent and secure business laptops sustainably designed for productivity on the go.

DELL Latitude 7650. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 165U. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-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: 1.83 kg



Design		Network	
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Product colour *	Grey	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Form factor *	Clamshell	Mobile network connection *	✗
Housing material	Aluminium	Antenna type	2x2
Intel® vPro™ Platform Eligibility	✓	WLAN controller model	Intel Wi-Fi 7 BE200
Display		WLAN controller manufacturer	Intel
Display diagonal *	40.6 cm (16")	Ethernet LAN	✗
Display resolution *	1920 x 1200 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	HDMI ports quantity *	1
LED backlight	✓	HDMI version	2.1
Native aspect ratio	16:10	Thunderbolt 4 ports quantity	2
Anti-glare screen	✓	Intel® Thunderbolt 4	✓
Display brightness	250 cd/m ²	Combo headphone/mic port	✓
Pixel pitch	0.17952 x 0.17952 mm	Charging port type	USB Type-C
Pixel density	141.5 ppi	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	NTSC	USB Power Delivery	✓
Colour gamut	45%	Performance	
Display response rise/fall	35 ms	Ambient light sensor	✓
Maximum refresh rate	60 Hz	Keyboard	
Contrast ratio (typical)	800:1	Pointing device	Touchpad
Processor		Keyboard language	UK English
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel Core Ultra 7	Keyboard backlit	✓
Processor generation	Intel® Core™ Ultra (Series 1)		
Processor model *	165U		
Processor cores	12		

Processor		Keyboard	
Processor threads	14	Keyboard number of keys	80
Processor boost frequency	4.9 GHz	Software	
Performance cores	2	Operating system architecture	64-bit
Efficient cores	8	Operating system language	Dutch, French, English, Italian, German
Low Power Efficient-cores	2	Trial software	No anti-virus software, No Microsoft Office License Included 30 day Trial Offer Only
Performance-core Max Turbo Frequency	4.9 GHz	Operating system installed *	Windows 11 Pro
Efficient-core Max Turbo Frequency	3.8 GHz	Brand-specific features	
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Brand specific technologies	Express Charge Boost capable, ExpressSign-In, HDR Camera, Intelligent Privacy, TNR
Performance-core base frequency	1.7 GHz	Battery	
Efficient-core base frequency	1.2 GHz	Number of battery cells	3
Low Power Efficient-core Base Frequency	700 MHz	Battery capacity *	57 Wh
Processor cache	12 MB	Battery voltage	11.4 V
Processor cache type	Smart Cache	Battery recharge time	4 h
Processor base power	15 W	Fast charging	✓
Maximum turbo power	57 W	Battery charge indicator	✓
Neural processor unit (NPU)		Battery weight	227 g
Neural processor unit (NPU)	Intel AI Boost	Power	
Maximum frequency NPU	1.4 GHz	AC adapter power	65 W
Sparsity support	✓	AC adapter frequency	50 - 60 Hz
Windows Studio effects support	✓	AC adapter input voltage	100 - 240 V
AI datatype support on NPU	FP16, FP32, Int8	USB charging voltage	20,5,9,15 V
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	USB charging current	3.25 A
Memory		Security	
Internal memory *	16 GB	Cable lock slot	✓
Internal memory type	LPDDR5x-SDRAM	Cable lock slot type	Wedge
Memory form factor	On-board	Fingerprint reader	✓
Maximum internal memory *	16 GB	Trusted Platform Module (TPM)	✓
Memory channels	Dual-channel	Trusted Platform Module (TPM) version	2.0
Memory data transfer rate	6400 MT/s	Operational conditions	
Storage		Operating temperature (T-T)	0 - 35 °C
Total storage capacity *	512 GB	Storage temperature (T-T)	-40 - 65 °C
Storage media *	SSD	Operating relative humidity (H-H)	10 - 90%
Total SSDs capacity	512 GB	Storage relative humidity (H-H)	0 - 95%
Number of SSDs installed	1	Operating altitude	-15.2 - 3048 m
SSD capacity	512 GB	Non-operating altitude	-15.2 - 10668 m
SSD memory type	TLC	Operating shock	110 G
SSD interface	PCI Express 4.0	Non-operating shock	160 G
NVMe	✓	Operating vibration	0.66 G
SSD form factor	M.2	Non-operating vibration	1.3 G
Optical drive type *	✗	Sustainability	
Graphics		Sustainability compliance	✓
Discrete graphics card model *	Not available	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold, TCO
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	358 mm
Discrete graphics card *	✗	Depth	250.4 mm
On-board graphics card model *	Intel Graphics	Height (front)	1.84 cm
Audio		Height (rear)	1.95 cm
Audio chip	Realtek ALC3281	Weight *	1.83 kg
Audio system	High Definition Audio	Carbon footprint	
Number of built-in speakers	4	Total carbon footprint (kg of CO2e)	122
Speaker power	2 W		
Built-in microphone	✓		
Camera			
Front camera	✓		
Front camera resolution	1920 x 1080 pixels		

Camera		Carbon footprint	
Front camera HD type	Full HD	Carbon emissions, manufacturing (kg of CO2e)	95
Video capturing speed	30 fps	Carbon emissions, logistics (kg of CO2e)	6
Infrared (IR) camera	✓	Carbon emissions, energy usage (kg of CO2e)	19
Privacy camera	✓	Carbon emissions, end-of-life (kg of CO2e)	3
Privacy type	Privacy shutter	Total carbon emissions, w/o use phase (kg of CO2e)	103
		PAIA version	GaBi verison1
		Packaging content	
		Cables included	AC



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