



DELL Latitude 7650 Intel Core Ultra 7 165U Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : DELL

Product family: Latitude

Product code: 2J87V

Product name : 7650



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: 32 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	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)
Product colour *	Grey	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Housing material	Aluminium	WLAN controller model	Intel Wi-Fi 7 BE200
Intel® vPro™ Platform Eligibility	✓	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✗
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Near Field Communication (NFC)	✓
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 density	141.5 ppi	Charging port type	USB Type-C
RGB colour space	NTSC	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	45%	USB Power Delivery	✓
Maximum refresh rate	60 Hz	Performance	
Contrast ratio (typical)	800:1	Ambient light sensor	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel Core Ultra 7	Keyboard language	Nordic
Processor generation	Intel® Core™ Ultra (Series 1)	Numeric keypad *	✗
Processor model *	165U	Keyboard backlit	✓
Processor cores	12		
Processor threads	14		
Processor boost frequency	4.9 GHz		

Processor		Keyboard	
Performance cores	2	Keyboard number of keys	80
Efficient cores	8	Copilot key	✓
Low Power Efficient-cores	2	Software	
Performance-core Max Turbo Frequency	4.9 GHz	Operating system architecture	64-bit
Efficient-core Max Turbo Frequency	3.8 GHz	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Low Power Efficient-core Max Turbo Frequency	2.1 GHz	Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Performance-core base frequency	1.7 GHz	Operating system installed *	Windows 11 Pro
Efficient-core base frequency	1.2 GHz	Brand-specific features	
Low Power Efficient-core Base Frequency	700 MHz	Brand specific technologies	Battery-saving Mini-LED
Processor cache	12 MB	Battery	
Processor cache type	Smart Cache	Number of battery cells	3
Processor base power	15 W	Battery capacity *	57 Wh
Maximum turbo power	57 W	Battery voltage	11.4 V
Neural processor unit (NPU)		Battery recharge time	4 h
Neural processor unit (NPU)	Intel AI Boost	Fast charging	✓
Maximum frequency NPU	1.4 GHz	Battery charge indicator	✓
Sparsity support	✓	Battery weight	227 g
Windows Studio effects support	✓	Power	
AI datatype support on NPU	FP16, FP32, Int8	AC adapter power	65 W
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	AC adapter frequency	50 - 60 Hz
Memory		AC adapter input voltage	100 - 240 V
Internal memory *	32 GB	USB charging voltage	20,5,9,15 V
Internal memory type	LPDDR5x-SDRAM	USB charging current	3.25 A
Memory form factor	On-board	Security	
Maximum internal memory *	32 GB	Cable lock slot	✓
Memory channels	Dual-channel	Cable lock slot type	Wedge
Memory data transfer rate	6400 MT/s	Fingerprint reader	✓
Storage		Smart card reader	✓
Total storage capacity *	512 GB	Trusted Platform Module (TPM)	✓
Storage media *	SSD	Trusted Platform Module (TPM) version	2.0
Total SSDs capacity	512 GB	Operational conditions	
Number of SSDs installed	1	Operating temperature (T-T)	0 - 35 °C
SSD capacity	512 GB	Storage temperature (T-T)	-40 - 65 °C
SSD memory type	TLC	Operating relative humidity (H-H)	10 - 90%
SSD interface	PCI Express 4.0	Storage relative humidity (H-H)	0 - 95%
NVMe	✓	Operating altitude	-15.2 - 3048 m
SSD form factor	M.2	Non-operating altitude	-15.2 - 10668 m
M.2 SSD size	2230 (22 x 30 mm)	Operating shock	110 G
Optical drive type *	✗	Non-operating shock	160 G
Graphics		Operating vibration	0.66 G
Discrete graphics card model *	Not available	Non-operating vibration	1.3 G
On-board graphics card *	✓	Sustainability	
On-board GPU manufacturer	Intel	Sustainability compliance	✓
Discrete graphics card *	✗	Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold, TCO
On-board graphics card model *	Intel Graphics	Weight & dimensions	
Audio		Width	358 mm
Audio chip	Realtek ALC3281	Depth	250.4 mm
Audio system	High Definition Audio	Height (front)	1.84 cm
Number of built-in speakers	4	Height (rear)	1.95 cm
Speaker power	2 W	Weight *	1.83 kg
Built-in microphone	✓	Carbon footprint	
Camera		Total carbon footprint (kg of CO2e)	122
Front camera	✓		
Front camera resolution	1920 x 1080 pixels		
Front camera HD type	Full HD		

Camera		Carbon footprint	
Video capturing speed	30 fps	Carbon emissions, manufacturing (kg of CO2e)	95
Infrared (IR) camera	✓	Carbon emissions, logistics (kg of CO2e)	6
Privacy camera	✓	Carbon emissions, energy usage (kg of CO2e)	19
Privacy type	Privacy shutter	Carbon emissions, end-of-life (kg of CO2e)	3
Network		Total carbon emissions, w/o use phase (kg of CO2e)	103
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	PAIA version	GaBi verison1
		Packaging content	
		Cables included	AC



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