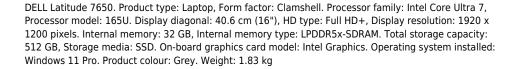


DELL Latitude 7650 Intel Core Ultra 7 165U Laptop 40.6 cm (16") Full HD+ 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Grey

Brand : DELL Product family: Latitude Product code: 2J87V

Product name: 7650







Design		Network	
Product type * Product colour * Form factor * Housing material Intel® vPro™ Platform Eligibility	Laptop Grey Clamshell Aluminium	Mobile network connection * Antenna type WLAN controller model WLAN controller manufacturer Ethernet LAN	x 2x2 Intel Wi-Fi 7 BE200 Intel
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Near Field Communication (NFC)	✓
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen * HD type	X 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/m²	Combo headphone/mic port	✓
Pixel density	141.5 ppi	Charging port type	USB Type-C
RGB colour space Colour gamut	NTSC 45%	USB Type-C DisplayPort Alternate Mode	1
Maximum refresh rate	60 Hz	Performance	
Contrast ratio (typical)	800:1	Ambient light sensor	✓
Processor		Keyboard	
Processor manufacturer * Intel Processor family * Intel Core Ultra 7 Processor generation Intel® Core™ Ultra (Series 1)	Pointing device Keyboard language Numeric keypad *	Touchpad Nordic ×	
Processor model *	165U	Keyboard backlit	···
Processor cores	12	Keyboard number of keys	80
Processor threads	14	Copilot key	✓

Processor		Software	
Processor boost frequency	4.9 GHz	Operating system architecture	64-bit
Performance cores	2	Operating system language	Danish, English, Finnish, Norwegian, Swedish
Efficient cores	8		No Microsoft Office License Included
Low Power Efficient-cores Performance-core Max Turbo	2	Trial software	30 day Trial Offer Only
Frequency	4.9 GHz	Operating system installed *	Windows 11 Pro
Efficient-core Max Turbo Frequency	3.8 GHz	Microsoft Copilot	✓
Low Power Efficient-core Max Turbo	2.1 GHz	Brand-specific features	
Frequency		Brand specific technologies	Battery-saving Mini-LED
Performance-core base frequency Efficient-core base frequency	1.7 GHz 1.2 GHz	Battery	
Low Power Efficient-core Base		•	2
Frequency	700 MHz	Number of battery cells Battery capacity *	3 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	1
Maximum turbo power	57 W	Battery charge indicator	1
Neural processor unit (NPU)		Battery weight	227 g
Neural processor unit (NPU)	Intel Al Boost	Power	9
Maximum frequency NPU	1.4 GHz		CF W
Sparsity support	✓	AC adapter power	65 W 50 - 60 Hz
Windows Studio effects support	✓	AC adapter frequency AC adapter input voltage	100 - 240 V
Al datatype support on NPU	FP16, FP32, Int8	USB Power Delivery (USB PD) *	100 - 240 V
Al software frameworks supported	DirectML, ONNX RT, OpenVINO,	USB charging voltage	20,5,9,15 V
by NPU	Windows ML	USB charging current	3.25 A
Memory		Security	
Internal memory *	32 GB		
Internal memory type	LPDDR5x-SDRAM	Cable lock slot	✓
Memory form factor	On-board	Cable lock slot type	Wedge
Maximum internal memory *	32 GB	Fingerprint reader	✓
Memory channels Memory data transfer rate	Dual-channel 6400 MT/s	Smart card reader	✓
•	0400 M1/3	Trusted Platform Module (TPM)	1
Storage		Trusted Platform Module (TPM) version	2.0
Total storage capacity *	512 GB	Operational conditions	
Storage media * Total SSDs capacity	SSD 512 GB	- p	0. 25.00
Number of SSDs installed	1	Operating temperature (T-T)	0 - 35 °C
SSD capacity	512 GB	Storage temperature (T-T) Operating relative humidity (H-H)	-40 - 65 °C 10 - 90%
SSD memory type	TLC	Storage relative humidity (H-H)	0 - 95%
SSD interface	PCI Express 4.0	Operating altitude	-15.2 - 3048 m
NVMe	✓	Non-operating altitude	-15.2 - 10668 m
SSD form factor	M.2	Operating shock	110 G
M.2 SSD size	2230 (22 x 30 mm)	Non-operating shock	160 G
Optical drive type *	×	Operating vibration	0.66 G
Graphics		Non-operating vibration	1.3 G
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	Intel	Sustainability certificates	ENERGY STAR, EPEAT Climate +,
Discrete graphics card *	X	Sustainability Certificates	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 chip 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	
•		Total carbon footprint (kg of CO2e)	122

Camera		Carbon footprint	
Front camera Front camera resolution	✓ 1920 x 1080 pixels	Carbon emissions, manufacturing (kg of CO2e)	95
Front camera HD type	Full HD	Carbon emissions, logistics (kg of CO2e)	6
Video capturing speed Infrared (IR) camera	30 fps ✓	Carbon emissions, energy usage (kg of CO2e)	19
Privacy camera 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 version 1, 2024
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi	Packaging content	
	6E (802.11ax), Wi-Fi 7 (802.11be)	Cables included	AC



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