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:** F5GTT

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
- 32GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 7 165U (12MB Cache), 32GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 IPS, Intel Graphics, WLAN, Webcam, Windows 11 Pro 64-bit

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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: 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

Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Aluminium
Intel® vPro™ Platform Eligibility	✓

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	Full HD+
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	250 cd/m²
Pixel pitch	0.17952 x 0.17952 mm
Pixel density	141.5 ppi
RGB colour space	NTSC
Colour gamut	45%
Display response rise/fall	35 ms
Maximum refresh rate	60 Hz
Contrast ratio (typical)	800:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	165U
Processor cores	12

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
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)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE200
WLAN controller manufacturer	Intel
Ethernet LAN	✗
Bluetooth	✓

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Performance

Ambient light sensor	✓

Keyboard

Pointing device	Touchpad
Keyboard language	UK English
Numeric keypad *	✗
Keyboard backlit	✓

Processor

Processor threads	14
Processor boost frequency	4.9 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.9 GHz
Efficient-core Max Turbo Frequency	3.8 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.7 GHz
Efficient-core base frequency	1.2 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	15 W
Maximum turbo power	57 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Maximum frequency NPU	1.4 GHz
Sparsity support	✓
Windows Studio effects support	✓
AI datatype support on NPU	FP16, FP32, Int8
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	32 GB
Memory channels	Dual-channel
Memory data transfer rate	6400 MT/s

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✗
On-board graphics card model *	Intel Graphics

Audio

Audio chip	Realtek ALC3281
Audio system	High Definition Audio
Number of built-in speakers	4
Speaker power	2 W
Built-in microphone	✓

Camera

Front camera	✓
Front camera resolution	1920 x 1080 pixels

Keyboard

Keyboard number of keys	80

Software

Operating system architecture	64-bit
Operating system language	German, Dutch, English, French, Italian
Trial software	No anti-virus software,No Microsoft Office License Included 30 day Trial Offer Only
Operating system installed *	Windows 11 Pro

Brand-specific features

Brand specific technologies	Express Charge Boost capable, ExpressSign-In, HDR Camera, Intelligent Privacy, TNR

Battery

Number of battery cells	3
Battery capacity *	57 Wh
Battery voltage	11.4 V
Battery recharge time	4 h
Fast charging	✓
Battery charge indicator	✓
Battery weight	227 g

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB charging voltage	5,9,15,20 V
USB charging current	3.25 A

Security

Cable lock slot	✓
Cable lock slot type	Wedge
Fingerprint reader	✓
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Sustainability

Sustainability compliance	✓
Sustainability certificates	ENERGY STAR, EPEAT Climate +, EPEAT Gold, TCO

Weight & dimensions

Width	358 mm
Depth	250.4 mm
Height (front)	1.84 cm
Height (rear)	1.95 cm
Weight *	1.83 kg

Carbon footprint

Total carbon footprint (kg of CO_2e)	122

Camera

Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✓
Privacy camera	✓
Privacy type	Privacy shutter

Carbon footprint

Carbon emissions, manufacturing (kg of CO2e)	95
Carbon emissions, logistics (kg of CO2e)	6
Carbon emissions, energy usage (kg of CO2e)	19
Carbon emissions, end-of-life (kg of CO2e)	3
Total carbon emissions, w/o use phase (kg of CO2e)	103
PAIA version	GaBi verison1

Packaging content

Cables included	AC

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