DELL Latitude 7650 Intel Core Ultra 5 135U 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: C4N2M

Product name : 7650

DELL Latitude 7650. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 135U. 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

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 density	141.5 ppi
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	800:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	135U
Processor cores	12
Processor threads	14

Network

Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE200
WLAN controller manufacturer	Intel
Ethernet LAN	✘
Bluetooth	✔
Near Field Communication (NFC)	✔
WWAN	Upgradable

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	✔
USB Type-C DisplayPort Alternate Mode	✔

Performance

Ambient light sensor	✔

Keyboard

Pointing device	Touchpad
Keyboard language	Nordic
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard number of keys	80
Copilot key	✔

Processor

Processor boost frequency	4.4 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.4 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.6 GHz
Efficient-core base frequency	1.1 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 *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	16 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
M.2 SSD size	2230 (22 x 30 mm)
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	✔

Software

Operating system architecture	64-bit
Operating system language	Danish, English, Finnish, Norwegian, Swedish
Trial software	No Microsoft Office License Included 30 day Trial Offer Only
Operating system installed *	Windows 11 Pro
Microsoft Copilot	✔
Copilot+ PC	✔

Brand-specific features

Brand specific technologies	Battery-saving Mini-LED

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 Type-C charging port *	✔
USB Power Delivery (USB PD)	✔
USB charging voltage	20,5,9,15 V
USB charging current	3.25 A

Security

Cable lock slot	✔
Cable lock slot type	Wedge
Fingerprint reader	✔
Smart card reader	✔
Face recognition	✔
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

Camera

Front camera	✔
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

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 *	✘

Carbon footprint

Total carbon footprint (kg of CO2e)	122
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 version 1, 2024

Packaging content

Cables included	AC

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