

## Dell Latitude 7650 (Version 2024)(9GV29)

**Dell Latitude 7650 (Version 2024) - Intel Core Ultra 7 - 155U / up to 4.8 GHz - Win 11 Pro - Intel Graphics - 16 GB RAM - 512 GB SSD NVMe, TLC - 16" IPS 1920 x 1200 (Full HD Plus) - NFC, Wi-Fi 7 - grey - BTP - with 3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support**



The Dell Latitude 7650 combines performance and versatility in a sleek design. Equipped with a 16-inch Full HD Plus display and IPS technology, this notebook ensures vibrant visuals with wide viewing angles and anti-glare features. The device is powered by an Intel Core Ultra 7 processor, suitable for demanding tasks, while the 512 GB SSD provides ample storage and quick access to files, enhancing productivity on the go. Networking is a breeze with advanced wireless capabilities, including support for Wi-Fi 7, ensuring strong and reliable Internet connections. The laptop includes AI-ready technology and multiple USB ports, including Thunderbolt 4, facilitating fast data transfers and connectivity with other devices. Additionally, features like ExpressCharge promote efficient power management, allowing users to stay productive for longer periods without interruption.

## Key Selling Points

- 16-inch Full HD Plus display for vibrant visuals
- Powered by Intel Core Ultra 7 processor for strong performance
- 512 GB SSD for fast storage and quick access to data
- Supports Wi-Fi 7 for enhanced wireless connectivity
- Features ExpressCharge for efficient power management

## Product Features

### Robust Audio Experience

The dual array microphone and four high definition audio speakers provide an immersive sound experience, making video calls and multimedia playback enjoyable.

### Secure and Reliable Performance

The discrete Trusted Platform Module (TPM 2.0) security chip ensures data protection, while compliance with FIPS 140-2 standards adds an extra layer of reliability.

### High Resolution Webcam

The laptop features an HDR-enabled webcam with 1080p resolution and a privacy shutter, ensuring clear video quality and enhanced privacy during online meetings.

### Efficient Cooling Technology

Built to withstand various operating conditions, the device includes advanced sensors such as an accelerometer and ambient light sensor, optimizing airflow and system performance.

### Versatile Connectivity Options

Equipped with multiple USB-C ports, HDMI, and headphone/microphone combo jack, the Latitude 7650 offers various connection options to enhance productivity and compatibility.

## Main Specifications

Product Description	Dell Latitude 7650 (Version 2024) - AI Ready - 16" - Intel Core Ultra 7 - 155U - 16 GB RAM - 512 GB SSD
Product Type	Notebook - AI Ready
Operating System	Win 11 Pro - Dutch / English / French / German / Italian
Processor	Intel Core Ultra 7 (Series 1) - 155U / 1.7 GHz, up to 4.8 GHz / 12 MB Cache
Memory	16 GB LPDDR5X (provided memory is soldered)
Storage	512 GB SSD - NVMe, TLC
Display	16" 1920 x 1200 / Full HD Plus @ 60 Hz - 141.5 ppi
Graphics	Intel Graphics
Input Device	ClickPad

Keyboard Backlight	Yes
Integrated Webcam	Yes
Networking	Bluetooth, NFC, 802.11a/b/g/n/ac/ax/be
Battery	3-cell
Features	Accelerometer, ambient light sensor, hall sensor
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader
Colour	Grey
Dimensions (WxDxH)	35.8 cm x 25.042 cm x 1.95 cm
Weight	1.835 kg
Pricing Type	Build To Plan (BTP)
Environmental Standards	ENERGY STAR Qualified EPEAT Gold
Carbon Footprint	122 kg carbon emissions
Specific Absorption Rate (SAR)	1.68 W/kg (body) † 1.68 W/kg (limb)
Bundled Services	3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support

## Extended Specification

### General

Product Type	Notebook - AI Ready
Operating System	Windows 11 Pro - Dutch / English / French / German / Italian

### Memory

RAM	16 GB (provided memory is soldered)
Technology	LPDDR5X SDRAM
Speed	6400 MHz
Rated Speed	6400 MHz

### Manufacturer Warranty

Bundled Services	3 Years Basic Onsite Service after Remote Diagnosis with Hardware-Only Support
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### Storage

Main Storage	512 GB SSD M.2 2230 PCIe 4.0 x4 - NVMe Express (NVMe), triple-level cell (TLC)
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### Miscellaneous

Colour	Grey
Case Material	Aluminum
Integrated Options	Accelerometer, ambient light sensor, hall sensor
Security	Discrete Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader, smart card reader
Features	ExpressCharge, ExpressChargeBoost
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Wedge-shaped security slot
Included Accessories	USB-C power adapter
Compliant Standards	FIPS 140-2, TCG Certified
Specific Absorption Rate (SAR)	1.68 W/kg (body) † 1.68 W/kg (limb)
Pricing Type	Build To Plan (BTP)

### Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C

Humidity Range Operating	10 - 90% (non-condensing)
Shock Tolerance (operating)	110 g @ 2 ms half-sine pulse
Shock Tolerance (non-operating)	160 g @ 2 ms half-sine pulse
Vibration Tolerance (operating)	0.66 g @ RMS (random)
Vibration Tolerance (non-operating)	1.3 g @ RMS (random)

#### Software

Software Included	Intel Rapid Storage Technology, Dell Additional Softwares, Activate your Microsoft 365 for a 30 day trial
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#### Display

Type	16" - IPS
Resolution	1920 x 1200 (Full HD Plus)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Pixel Density (ppi)	141.5
Image Brightness	250 cd/m <sup>2</sup>
Horizontal Viewing Angle	85
Vertical Viewing Angle	85
Colour Gamut	45% NTSC
Features	Anti-glare, 0.17952 mm pixel pitch

#### Battery

Technology	3-cell
Weight	227 g
Capacity	57 Wh

#### Communications

Wireless	Bluetooth, NFC, 802.11a/b/g/n/ac/ax/be
Wireless Controller	Intel WI-FI 7 BE200
Features	Dual stream (2x2)

#### Dimensions & Weight

Dimensions (WxDxH)	35.8 cm x 25.042 cm x 1.95 cm
Weight	1.835 kg

#### Processor / Chipset

CPU	Intel Core Ultra 7 (Series 1) 155U / 1.7 GHz
Max Turbo Speed	4.8 GHz
Number of Cores	12-core
Cache	12 MB
Features	14 Threads

#### Audio & Video

Graphics Processor	Intel Graphics
Camera	Yes - Full HD
Video Resolutions	1080p
Frame Rate	30 frames per second
Camera Features	HDR (High Dynamic Range), face recognition, privacy shutter, IR/RGB camera, Temporal Noise Reduction, 82 degrees, Express Sign-In, Intelligent Privacy

Sound	Four speakers, dual array microphone
Codec	Realtek ALC3281
Compliant Standards	High Definition Audio

#### Input

Type	Keyboard, ClickPad
Keyboard Backlight	Yes
Features	Mini LED backlit, Copilot key, AI hotkey, 80-key

#### AC Adapter

Input	AC 100-240 V (50/60 Hz)
Output	65 Watt, 5 / 9 / 15 / 20 V

#### Connections & Expansion

Interfaces Details	HDMI ¦ 2 x USB4 (supports Thunderbolt 4, DisplayPort 2.1 Alt Mode) (Power Delivery) ¦ USB 3.2 Gen 1 (PowerShare) ¦ USB 3.2 Gen 1 ¦ Headphone/microphone combo jack
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#### Sustainability Information

TCO Certified	-
EPEAT Compliant	EPEAT Gold
ENERGY STAR Certified	Yes
Carbon Footprint	122 kg carbon emissions
Manufacturing (kg CO2e)	95
Logistics (kg CO2e)	6
Use (kg CO2e)	19
EOL (kg CO2e)	3
Total Carbon w/o Use Phase (kg CO2e)	103
PAIA Version	GaBi version 1

\*TD SYNEX is not responsible for errors in the documentation of products.