

LENOVO

Laptop Lenovo ThinkPad L13 2-in-1 G5 / Ultra 5 135U / 32GB LPDDR5 / 256GB / 13.3" WUXGA IPS Multi touch / Intel Graphics / DE - Zezë

SKU: 14000269 · EAN: 0199274407988

SPECIFIKAT TEKNIKE

140 specifikat e produktit

ATRIBUTI	VLERA
Design	
Colour name	Black
Product type	Hybrid (2-in-1)
Product colour	Black
Form factor	Convertible (Folder)
Housing material	Aluminium
Display	
Display diagonal	33.8 cm (13.3")
Display resolution	1920 x 1200 pixels
Touchscreen	Yes
HD type	WUXGA
Panel type	IPS
LED backlight	Yes
Native aspect ratio	16:10
Anti-reflective coating	Yes
Anti-smudge coating	Yes
Display brightness	300 cd/m ²
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	1000:1
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
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 socket	BGA 2049
Processor base power	15 W
Maximum turbo power	57 W
Neural processor unit (NPU)	
Neural processor unit (NPU)	Intel AI Boost
Sparsity support	Yes
Windows Studio effects support	Yes
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML
Total processor performance up to	22 TOPs
NPU performance up to	11 TOPs
GPU performance up to	8 TOPs
Memory	
Internal memory	32 GB
Internal memory type	LPDDR5-SDRAM
Memory clock speed	6400 MHz
Memory form factor	On-board
Maximum internal memory	32 GB
Memory channels	Dual-channel
Storage	
Total storage capacity	256 GB
Storage media	SSD
Total SSDs capacity	256 GB

Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	PCI Express 4.0
NVMe	Yes
SSD form factor	M.2
Optical drive type	No
Card reader integrated	No
Graphics	
Discrete graphics card model	Not available
On-board graphics card	Yes
On-board GPU manufacturer	Intel
Discrete graphics card	No
On-board graphics card family	Intel® Graphics
On-board graphics card model	Intel® Graphics
Audio	
Audio chip	Realtek ALC3287
Audio system	Dolby Audio
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	Yes
Number of microphones	2
Camera	
Front camera	Yes
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	Yes
Privacy camera	Yes
Privacy type	Privacy shutter
Network	
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection	No
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	No

Bluetooth	Yes
Bluetooth version	5.3
Near Field Communication (NFC)	No
WWAN	Not installed
Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
USB 3.2 Gen 2x2 Type-C ports quantity	1
HDMI ports quantity	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	Yes
Combo headphone/mic port	Yes
USB Type-C DisplayPort Alternate Mode	Yes
USB Sleep-and-Charge	Yes
USB Sleep-and-Charge ports	1
Performance	
Motherboard chipset	Intel SoC
Keyboard	
Pointing device	ThinkPad UltraNav
Numeric keypad	No
Keyboard backlit	Yes
Spill-resistant keyboard	Yes
Keyboard language	German
Software	
Operating system architecture	64-bit
Operating system language	German
Operating system installed	Windows 11 Pro
Battery	
Battery technology	Lithium Polymer (LiPo)
Battery capacity	46 Wh
Fast charging	Yes
Power	
AC adapter power	65 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V

USB Power Delivery (USB PD)	Yes
Security	
Cable lock slot	Yes
Cable lock slot type	Kensington
Fingerprint reader	No
Smart card reader	Yes
Windows Hello	Yes
Trusted Platform Module (TPM)	Yes
Trusted Platform Module (TPM) version	2.0
Password protection	Yes
Password protection type	BIOS, Power on, SSD, Supervisor
Operational conditions	
Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	5 - 43 °C
Operating relative humidity (H-H)	8 - 95%
Storage relative humidity (H-H)	5 - 95%
Maximum shipping altitude	3048 m
Certificates	
Certification	ErP Lot 6ErP Lot 26MIL-STD-810H
Sustainability	
Sustainability compliance	Yes
Weight & dimensions	
Width	305 mm
Depth	218 mm
Height	17.1 mm
Weight	1.32 kg
Packaging content	
AC adapter included	Yes
Stylus pen	Yes