Lenovo ThinkPad E16 Gen 3 (Intel) Copilot+ PC Intel Core Ultra 7 258V Laptop 40.6 cm (16") WUXGA 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black English

Brand : Lenovo **Product family:** ThinkPad **Product code:** 22AY0079MH

Product name : ThinkPad E16 Gen 3 (Intel) Copilot+ PC

- Intel Core Ultra 7 258V, 8C (4P + 4LPE)/8T, Max Turbo up to 4.8GHz, 12MB Intel Smart Cache
- 16" WUXGA (1920x1200) IPS 300nits 45% NTSC 60Hz
- 32GB LPDDR5X-8533, MoP Memory
- 512GB SSD M.2 2242 PCIe 4.0x4 NVMe Opal 2.0
- Intel Arc Graphics 140V
- Windows 11 Pro

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Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Aluminium
Display back cover material	Aluminium

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	300 cd/m²
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor model *	258V
Processor cores	8
Processor threads	8

Neural processor unit (NPU)	
Copilot+ PC	✓

Network	
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✓
Ethernet LAN data rates	100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.3
Near Field Communication (NFC)	✗
WWAN	Not installed

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Sleep-and-Charge	✓

Performance	
Motherboard chipset	Intel SoC

Keyboard	
Pointing device	ThinkPad UltraNav

Memory	
Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	8533 MHz
Memory form factor	On-board
Maximum internal memory *	32 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✘

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics 140V

Audio	
Audio chip	Senary SN6147
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera	
Front camera	✔
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)

Keyboard	
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard language	English
Copilot key	✔

Software	
Operating system language	English, French, German, Dutch, Italian
Microsoft Copilot	✔
Operating system installed *	Windows 11 Pro
Bundled software	Lenovo AI Now

Battery	
Battery capacity *	64 Wh

Power	
AC adapter power	65 W
USB Type-C charging port *	✔
USB Type-C required charging power (min) *	45 W
USB Type-C required charging power (max) *	65 W
USB Power Delivery (USB PD)	✔

Security	
Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Smart card reader	✘
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0

Certificates	
Certification	ENERGY STAR,TCO,EPEAT Gold,RoHS

Weight & dimensions	
Width	356 mm
Depth	249 mm
Height (front)	1.01 cm
Height (rear)	1.71 cm
Weight *	1.61 kg

Packaging content	
AC adapter included *	✔

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