



HP E82HRET laptop Copilot+ PC 40.6 cm (16") WUXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Black, Grey

Brand : HP

Product code: E82HRET

Product name : E82HRET



- AMD Ryzen AI Max PRO 490 (up to 5.0 GHz max boost clock, 64 MB L3 cache, 12 cores, 24 threads)
 - Windows 11 Pro
 - 40.6 cm (16") diagonal WUXGA display
 - AMD Radeon 8050S Graphics
 - 32 GB LPDDR5x-8533 MT/s (onboard), 1 TB PCIe Gen5 NVMe M.2 SSD
- ZBook Ultra G3a 16 inch Mobile Workstation PC - Data Science, 16", Windows 11 Pro, AMD Ryzen AI Max PRO, 32GB RAM, 1TB SSD, WUXGA, Eclipse gray, AI Workstation; AI PC; Copilot+ PC



HP E82HRET laptop Copilot+ PC 40.6 cm (16") WUXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Black, Grey:

Built for AI. Ready for pro workflows. Wherever work happens.

Reinvent how you work with HP ZBook Ultra G3a 16". Run massive AI models and agents locally with faster tokens per second while tackling intensive workflows^[1]. Now you can reduce token costs, help keep data secure, and move to production—all while on the go.

Design		Network	
Colour name	Eclipse gray	Wi-Fi	✓
Product colour *	Black, Grey	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Original brand name	HP	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	WLAN controller model	MediaTek MT7925
Display resolution *	1920 x 1200 pixels	WLAN controller manufacturer	MediaTek
HD type	WUXGA	Bluetooth	✓
LED backlight	✓	Bluetooth version	6.0
Display brightness	400 cd/m²	Ports & interfaces	
Display diagonal (metric)	40.6 cm	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
RGB colour space	sRGB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	100%	USB4 Gen 3x2 ports quantity	2
sRGB coverage (typical)	100%	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	AMD	Microphone in	✓
Processor cores	12	Keyboard	
Processor threads	24	Numeric keypad *	✗
Processor boost frequency	5 GHz	Keyboard backlit	✓
Processor cache	64 MB	Spill-resistant keyboard	✓
Processor cache type	L3	Software	
Neural processor unit (NPU)		Operating system installed *	Windows 11 Pro
Copilot+ PC	✓	Brand-specific features	
NPU performance up to	50 TOPs	HP Artificial Intelligence	AI Workstation, AI PC
Memory		HP segment	Business
Internal memory *	32 GB	HP GTIN (EAN/UPC)	704683107291
Internal memory type	LPDDR5x-SDRAM	Battery	
Memory clock speed	8533 MHz	Battery technology	Lithium Polymer (LiPo)
Memory form factor	On-board	Number of battery cells	6
Memory layout (slots x size)	Not available	Battery capacity *	96 Wh
Non-ECC	✓	Fast charging	✓
Storage			
Total storage capacity *	1 TB		

Storage		Battery	
Storage media *	SSD	Fast charging time (50%)	30 min
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	AC adapter power	180 W
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 5.0	AC adapter input voltage	100 - 240 V
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Graphics		Security	
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	AMD	Password protection type	BIOS, Power on
On-board graphics card family	AMD Radeon Graphics	Sustainability	
Audio		Sustainable technologies and materials	Low halogen PCAs; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable; At least 60% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency
Built-in speaker(s)	✓		
Number of built-in speakers	4		
Speaker power	1 W		
Number of microphones	2		
Camera		Weight & dimensions	
Front camera	✓	Width	356 mm
Front camera resolution (numeric)	5 MP	Depth	240 mm
Infrared (IR) camera	✓	Height	17.9 mm
		Weight *	1.9 kg
		Packaging content	
		Keyboard included	✓
		Other features	
		UNSPSC-code	43211503



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