



HP EliteBook 6 G2a 16 Next Gen AI PC AMD Ryzen AI 5 PRO 435 Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Silver QWERTY

Brand : HP

Product family: EliteBook

Product code: E04J2ET#ABH

Product name : EliteBook 6
G2a 16 Next Gen AI PC



HP EliteBook 6 G2a 16 Next Gen AI PC. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 5 PRO, Processor model: 435, Processor frequency: 2 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 840M. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Network	
Colour name	Pike silver	Wi-Fi	✓
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Product colour *	Silver	Wi-Fi standards	Wi-Fi 7 (802.11be)
Form factor *	Clamshell	Mobile network connection *	✗
Market positioning	Premium	Antenna type	2x2
Introduction year	2026	WLAN controller model	MediaTek MT7925
Original brand name	HP	WLAN controller manufacturer	MediaTek
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Bluetooth version	6.0
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	WUXGA	USB4 Gen 3x2 ports quantity	2
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	2
Display brightness	400 cd/m²	Intel® Thunderbolt 4	✓
Display diagonal (metric)	40.6 cm	Microphone in	✓
RGB colour space	sRGB	Combo headphone/mic port	✓
Colour gamut	100%	SmartCard slot	✓
sRGB coverage (typical)	100%	USB Type-C DisplayPort Alternate Mode	✓
Processor		Performance	
Processor manufacturer *	AMD	Temperature sensor	✓
Processor family *	AMD Ryzen AI 5 PRO	Hall sensor	✓
Processor generation	AMD Ryzen AI PRO 400 Series	Keyboard	
Processor model *	435	Pointing device	Clickpad
Processor cores	6	Numeric keypad *	✓
Processor threads	12		
Processor boost frequency	4.5 GHz		
Processor frequency *	2 GHz		
Processor cache	8 MB		

Processor		Keyboard	
Processor cache type	L3	Keyboard backlit	✓
L3 cache	8 MB	Spill-resistant keyboard	✓
L2 cache	6 MB	Keyboard layout	QWERTY
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	AMD Ryzen AI	Operating system installed *	Windows 11 Pro
Total processor performance up to	59 TOPs	Brand-specific features	
NPU performance up to	50 TOPs	HP speaker type	HP Dual Speakers
Memory		HP segment	Business
Internal memory *	16 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium Polymer (LiPo)
Memory clock speed	5600 MHz	Number of battery cells	3
Memory form factor	SO-DIMM	Battery capacity *	68 Wh
Memory layout (slots x size)	1 x 16 GB	Fast charging	✓
Memory slots	2x SO-DIMM	Fast charging time (50%)	30 min
Maximum internal memory *	64 GB	Power	
Memory data transfer rate	5600 MT/s	AC adapter power	65 W
Non-ECC	✓	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	512 GB	USB Type-C charging port *	✓
Storage media *	SSD	USB Type-C required charging power (min) *	65 W
Total SSDs capacity	512 GB	USB Type-C required charging power (max) *	100 W
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	512 GB	Security	
SSD interface	PCI Express	Fingerprint reader	✓
NVMe	✓	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, Power on
Optical drive type *	✗	Certificates	
Graphics		Compliance certificates	GS mark, CCC, RoHS, Federal Communications Commission (FCC), CE, BSMI
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	AMD	Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
Discrete graphics card *	✗	Sustainable technologies and materials	
On-board graphics card family	AMD Radeon Graphics		
On-board graphics card model *	AMD Radeon 840M		
Audio		Weight & dimensions	
Built-in speaker(s)	✓	Width	359.4 mm
Number of built-in speakers	2	Depth	251 mm
Number of microphones	2	Height (front)	1.15 cm
Camera		Height (rear)	1.75 cm
Front camera	✓	Weight *	1.73 kg
Front camera resolution (numeric)	5 MP	Packaging content	
Infrared (IR) camera	✓	Keyboard included	✓
		Other features	
		UNSPSC-code	43211503
		Memory module type	SODIMM

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