HP EliteBook 8 EB G1i 14 NGAI U5 228V 14i 32 (EN) Copilot+ PC Intel Core Ultra 5 Laptop 35.6 cm (14") WUXGA 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Silver



Brand : HP **Product family:** EliteBook **Product code:** AD3T8ET#ABB

Product name : EB 8 G1i 14 NGAI U5 228V 14i 32 (EN)

HP EliteBook 8 EB G1i 14 NGAI U5 228V 14i 32 (EN). Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 228V. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver. Weight: 1.46 kg



Design	
Colour name	Glacier silver
Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Premium
Introduction year	2025
Intel® vPro™ Platform Eligibility	✗
Country of origin	China, Thailand
Original brand name	HP

Display	
Display diagonal *	35.6 cm (14")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
LED backlight	✓
Anti-glare screen	✓
Display brightness	300 cd/m²
Display diagonal (metric)	35.6 cm
RGB colour space	sRGB
Colour gamut	62.5%
sRGB coverage (typical)	62.5%

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel Core Ultra (Series 2)
Processor model *	228V
Processor cores	8
Processor threads	8
Processor boost frequency	4.5 GHz

Audio	
Number of microphones	2

Camera	
Front camera	✓
Front camera resolution (numeric)	5 MP
Infrared (IR) camera	✓

Network	
Wi-Fi	✓
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE201
WLAN controller manufacturer	Intel
Bluetooth	✓
Bluetooth version	5.4

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-C ports quantity	1
USB4 Gen 3x2 ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✓
Microphone in	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓
USB Sleep-and-Charge	✓

Processor	
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.5 GHz
Low Power Efficient-core Max Turbo Frequency	3.5 GHz
Performance-core base frequency	2.1 GHz
Low Power Efficient-core Base Frequency	2100 MHz
Processor cache	8 MB
Processor cache type	L3
Processor base power	17 W
Maximum turbo power	37 W

Neural processor unit (NPU)	
Copilot+ PC	✔
Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	97 TOPs
NPU performance up to	40 TOPs
GPU performance up to	53 TOPs

Memory	
Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	8533 MHz
Memory form factor	On-board
Memory layout (slots x size)	Not available
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
NVMe	✔
Optical drive type *	✘

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

Audio	
Built-in speaker(s)	✔
Number of built-in speakers	2
Built-in microphone	✔

Ports & interfaces	
USB Sleep-and-Charge ports	3

Performance	
Temperature sensor	✔
Hall sensor	✔
Repairability index	8.6

Keyboard	
Pointing device	Clickpad
Numeric keypad *	✘
Keyboard backlit	✔
Spill-resistant keyboard	✔
Input device model	HP Premium Keyboard
Copilot key	✔

Software	
Microsoft Copilot	✔
Operating system installed *	Windows 11 Pro

Processor special features	
Intel® Turbo Boost Technology	✔

Brand-specific features	
HP speaker type	HP Dual Speakers
HP front camera	HP Webcam 5MP
HP segment	Business

Battery	
Battery technology	Lithium Polymer (LiPo)
Number of battery cells	3
Battery capacity *	62 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power	
AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security	
Fingerprint reader	✔
Password protection	✔
Password protection type	BIOS, Power on

Certificates	
Compliance certificates	GS mark, CCC, RoHS, Federal Communications Commission (FCC), CE, BSMI

Sustainability	
Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
Sustainable technologies and materials	At least 80% recycled metal; Product Carbon Footprint; HP paper-based packaging is from recycled or certified sources; At least 50% post-consumer recycled plastic; Low halogen; Bulk packaging available

Weight & dimensions	
Width	315.6 mm
Depth	222 mm
Height (front)	1.17 cm
Height (rear)	1.55 cm

Weight & dimensions	
Weight *	1.46 kg
Packaging content	
Keyboard included	✔
Other features	
UNSPSC-code	43211503



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