



HP EliteBook 8 G1i Intel Core Ultra 7 258V Laptop 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI PC Silver



Brand : HP

Product family: EliteBook

Product code: D4CG1ES

Product name : EliteBook 8 G1i

- Windows 11 Pro
- Intel Core Ultra 7 258V (12MB Cache)
- 16" WUXGA 1920 x 1200 IPS
- 32GB (5600MHz) DDR5-SDRAM (1 x 32) & 1000GB SSD
Intel Core Ultra 7 258V (12MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 16" WUXGA 1920 x 1200 IPS, Intel Arc Graphics 140V, LAN, WLAN, Webcam, Windows 11 Pro

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An innovative AI PC tailored for hybrid teams

Equip your high-performing teams with an AI-enhanced PC^[3] that offers the power, security, and collaboration tools essential for both office and hybrid work environments. The HP EliteBook 8 G1i 16 inch AI PC efficiently meets the requirements of multitasking teams worldwide.

Design		Camera	
Colour name	Glacier silver	Front camera	✓
Product type *	Laptop	Front camera resolution (numeric)	5 MP
Product colour *	Silver	Infrared (IR) camera	✓
Form factor *	Clamshell	Network	
Market positioning	Premium	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Introduction year	2025	Wi-Fi standards	Wi-Fi 7 (802.11be)
Original brand name	HP	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	WLAN controller model	Intel Wi-Fi 7 BE200
Display resolution *	1920 x 1200 pixels	WLAN controller manufacturer	Intel
Touchscreen *	✗	Ethernet LAN	✓
HD type	WUXGA	Bluetooth	✓
Panel type	IPS	Bluetooth version	5.4
LED backlight	✓	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display brightness	400 cd/m ²	USB4 Gen 3x2 ports quantity	2
Display diagonal (metric)	40.6 cm	HDMI ports quantity *	1
RGB colour space	sRGB	HDMI version	2.1
Colour gamut	100%	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Microphone in	✓
Processor family *	Intel Core Ultra 7	Combo headphone/mic port	✓
Processor generation	Intel Core Ultra (Series 2)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	258V	USB Sleep-and-Charge	✓
Processor cores	8	USB Sleep-and-Charge ports	3
Processor threads	8		
Processor boost frequency	4.8 GHz		
Performance cores	4		
Low Power Efficient-cores	4		

Processor		Performance	
Performance-core Max Turbo Frequency	4.8 GHz	Ambient light sensor	✓
Low Power Efficient-core Max Turbo Frequency	3.7 GHz	Temperature sensor	✓
Performance-core base frequency	2.2 GHz	Hall sensor	✓
Low Power Efficient-core Base Frequency	2200 MHz	Repairability index	8.8
Processor cache	12 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Clickpad
Processor socket	BGA 2833	Numeric keypad *	✓
Processor base power	17 W	Keyboard backlit	✓
Maximum turbo power	37 W	Island-style keyboard	✓
Neural processor unit (NPU)		Spill-resistant keyboard	✓
Neural processor unit (NPU)	Intel AI Boost	Full-size keyboard	✓
Sparsity support	✓	Input device model	HP Premium Keyboard
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Pro
Total processor performance up to	115 TOPs	Brand-specific features	
NPU performance up to	47 TOPs	HP speaker type	HP Dual Speakers
GPU performance up to	64 TOPs	HP Connection Optimizer	✓
Memory		HP Support Assistant	✓
Internal memory *	32 GB	HP Artificial Intelligence	AI PC
Internal memory type	DDR5-SDRAM	HP segment	Business
Memory clock speed	5600 MHz	Battery	
Memory form factor	SO-DIMM	Battery technology	Lithium Polymer (LiPo)
Memory layout (slots x size)	1 x 32 GB	Number of battery cells	3
Memory slots	2x SO-DIMM	Battery capacity *	62 Wh
Maximum internal memory *	32 GB	Fast charging	✓
Memory data transfer rate	5600 MT/s	Fast charging time (50%)	30 min
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	65 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express	Security	
NVMe	✓	Cable lock slot	✓
Optical drive type *	✗	Fingerprint reader	✓
Graphics		Smart card reader	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board GPU manufacturer	Intel	Password protection	✓
Discrete graphics card *	✗	Password protection type	BIOS, Power on
On-board graphics card family	Intel Arc Graphics	Certificates	
On-board graphics card model *	Intel Arc Graphics 140V	Compliance certificates	GS mark, CCC, RoHS, Federal Communications Commission (FCC), CE, BSMI
Audio		Sustainability	
Number of built-in speakers	2	Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
Built-in microphone	✓	Sustainable technologies and materials	At least 80% recycled metal; Product Carbon Footprint; HP paper-based packaging is from recycled or certified sources; At least 25% post-consumer recycled plastic; Low halogen; Bulk packaging available
Number of microphones	2		
		Weight & dimensions	
		Width	359.4 mm

Weight & dimensions

Depth	251 mm
Height (front)	1.09 cm
Height (rear)	1.7 cm
Weight *	1.69 kg



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