



HP EliteBook 8 G1i Intel Core Ultra 7 255H Laptop 35.6 cm (14") WUXGA 32 GB DDR5-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Silver



Brand : HP

Product family: EliteBook

Product code: CT9Q9ES

Product name : EliteBook 8
G1i

- Windows 11 Pro 64-bit
 - Intel Core Ultra 7 255H (24MB Cache)
 - 14" WUXGA 1920 x 1200 IPS
 - 32GB (5600MHz) DDR5-SDRAM & 1000GB SSD
- Intel Core Ultra 7 255H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 14" WUXGA 1920 x 1200 IPS,
Intel Arc 140T, WLAN, HP Webcam, Windows 11 Pro 64-bit

HP EliteBook 8 G1i Intel Core Ultra 7 255H Laptop 35.6 cm (14") WUXGA 32 GB DDR5-SDRAM 1 TB SSD
Wi-Fi 7 (802.11be) Windows 11 Pro Silver:

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 14 inch AI PC efficiently meets the requirements of multitasking teams worldwide.

Design		Storage	
Product type *	Laptop	SSD capacity	1 TB
Product colour *	Silver	Optical drive type *	✗
Form factor *	Clamshell	Graphics	
Market positioning	Premium	Discrete graphics card model *	Not available
Display		On-board graphics card *	✓
Display diagonal *	35.6 cm (14")	On-board GPU manufacturer	Intel
Display resolution *	1920 x 1200 pixels	Discrete graphics card *	✗
Touchscreen *	✗	On-board graphics card family	Intel Arc Graphics
HD type	WUXGA	On-board graphics card model *	Intel Arc 140T
Panel type	IPS	Audio	
LED backlight	✓	Number of built-in speakers	2
Anti-glare screen	✓	Built-in microphone	✓
Display brightness	400 cd/m²	Number of microphones	2
Display diagonal (metric)	35.6 cm	Camera	
Processor		Front camera	✓
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 7	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor generation	Intel Core Ultra (Series 2)	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor model *	255H	Mobile network connection *	✗
Processor cores	16	Antenna type	2x2
Processor threads	16	Bluetooth	✓
Processor boost frequency	5.1 GHz	Bluetooth version	5.4
Performance cores	6	Ports & interfaces	
Efficient cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Low Power Efficient-cores	2	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Performance-core Max Turbo Frequency	5.1 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.4 GHz	HDMI version	2.1
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		
Performance-core base frequency	2 GHz		

Processor		Ports & interfaces	
Efficient-core base frequency	1.5 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Base Frequency	700 MHz	Combo headphone/mic port	✓
Processor cache	24 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	28 W	USB Sleep-and-Charge	✓
Maximum turbo power	115 W	USB Sleep-and-Charge ports	3
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✗
Sparsity support	✓		
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system architecture	64-bit
Total processor performance up to	96 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	13 TOPs		
GPU performance up to	74 TOPs		
Memory		Brand-specific features	
Internal memory *	32 GB	HP speaker type	HP Dual Speakers
Internal memory type	DDR5-SDRAM	HP front camera	HP Webcam
Memory clock speed	5600 MHz	HP segment	Business
Memory form factor	SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Battery capacity *	62 Wh
Total SSDs capacity	1 TB		
Number of SSDs installed	1		
		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)	✓
		Weight & dimensions	
		Width	315.6 mm
		Depth	222 mm
		Height (front)	1.24 cm
		Height (rear)	1.17 cm
		Weight *	1.39 kg
		Packaging content	
		AC adapter included *	✗



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