



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	✓	Software	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Pro
Total processor performance up to	96 TOPs	Brand-specific features	
NPU performance up to	13 TOPs	HP speaker type	HP Dual Speakers
GPU performance up to	74 TOPs	HP front camera	HP Webcam
Memory		HP segment	Business
Internal memory *	32 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	5600 MHz	Battery capacity *	62 Wh
Memory form factor	SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	65 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	USB Type-C charging port *	✓
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	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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