



HP EliteBook 840 G9 Intel® Core™ i7 i7-1255U Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP

Product family: EliteBook

Product code: 6T131EA

Product name : 840 G9

HP EliteBook 840 G9. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1255U. Display diagonal: 35.6 cm (14"), 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: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver. Weight: 1.36 kg



Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Silver	HDMI ports quantity *	1
Form factor *	Clamshell	HDMI version	2.0
Market positioning	Premium	Thunderbolt 4 ports quantity	2
Introduction year	2022	Combo headphone/mic port	✓
Country of origin	China	USB Type-C DisplayPort Alternate Mode	✓
Original brand name	HP		
Display		Performance	
Display diagonal *	35.6 cm (14")	Repairability index	8.7
Display resolution *	1920 x 1200 pixels		
Touchscreen *	✗	Keyboard	
HD type	WUXGA	Keyboard special features	Spill-resistant
Panel type	IPS	Pointing device	Clickpad
Anti-glare screen	✓	Numeric keypad *	✗
Display brightness	250 cd/m ²	Keyboard backlit	✓
Display diagonal (metric)	35.6 cm	Spill-resistant keyboard	✓
RGB colour space	NTSC	Input device model	HP Premium Keyboard
Colour gamut	45%	Software	
Processor		Operating system installed *	Windows 11 Pro
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i7	Intel Flex Memory Access	✓
Processor generation	12th gen Intel® Core™ i7	Intel Trusted Execution Technology	✓
Processor model *	i7-1255U	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cores	10	Execute Disable Bit	✓
Processor threads	12	CPU configuration (max)	1
Processor boost frequency	4.7 GHz	Embedded options available	✗
Processor cache	12 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	L3	Intel Virtualization Technology (VT-x)	✓
Configurable TDP-down	12 W	Brand-specific features	
Memory		HP speaker type	HP Dual Speakers
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		

Memory		Brand-specific features	
Memory form factor	SO-DIMM	HP Connection Optimizer	✓
Memory layout (slots x size)	1 x 16 GB	HP Support Assistant	✓
Memory slots	2x SO-DIMM	HP front camera	HP Webcam 5MP
Number of free internal memory expansion slots	1		HP Image Assistant; HP Hotkey Support; HP MAC Address Manager; HP Easy Clean; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; Tile App; HP Quick Touch; HP PC Hardware Diagnostics Windows
ECC	✗	HP Software provided	
Non-ECC	✓		
Storage		HP segment	Business
Total storage capacity *	512 GB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	512 GB	Number of battery cells	3
Number of SSDs installed	1	Battery capacity *	51 Wh
SSD capacity	512 GB	Power	
SSD interface	PCI Express	AC adapter power	65 W
NVMe	✓	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Graphics		USB Type-C charging port *	✓
Discrete graphics card model *	Not available	USB Power Delivery (USB PD)	✓
On-board graphics card *	✓	Security	
On-board GPU manufacturer	Intel	Fingerprint reader	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM)	✓
On-board graphics card family	Intel Iris Xe Graphics	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel Iris Xe Graphics	Password protection	✓
Audio		Password protection type	BIOS, Power on, User
Audio system	B&O PLAY	Certificates	
Built-in speaker(s)	✓	Compliance certificates	GS mark
Number of built-in speakers	2	Sustainability	
Speakers manufacturer	Bang & Olufsen	Sustainability compliance	✓
Built-in microphone	✓	Sustainability certificates	ENERGY STAR, TCO
Number of microphones	2	Weight & dimensions	
Camera		Width	315.6 mm
Front camera	✓	Depth	224 mm
Front camera resolution (numeric)	5 MP	Height	19.2 mm
Network		Weight *	1.36 kg
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Packaging data	
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Package width	69 mm
Antenna type	2x2	Package depth	449 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Package height	305 mm
WLAN controller manufacturer	Intel	Packaging content	
Bluetooth	✓	Keyboard included	✓
Bluetooth version	5.3	Stylus pen	✗
		Other features	
		Power management	✓
		Number of speakers	2



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