



# 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:** 6T1D9EA#ABH

**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		Network	
Product type *	Laptop	WLAN controller manufacturer	Intel
Product colour *	Silver	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.3
Market positioning	Premium	Ports & interfaces	
Introduction year	2022	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Country of origin	China	HDMI ports quantity *	1
Original brand name	HP	HDMI version	2.0
Display		USB Type-C DisplayPort Alternate Mode	✓
Display diagonal *	35.6 cm (14")	Keyboard	
Display resolution *	1920 x 1200 pixels	Keyboard special features	Étanche
Touchscreen *	✗	Pointing device	Clickpad
HD type	WUXGA	Numeric keypad *	✗
Panel type	IPS	Keyboard backlit	✓
Anti-glare screen	✓	Spill-resistant keyboard	✓
Display brightness	400 cd/m <sup>2</sup>	Keyboard layout	QWERTY
Display diagonal (metric)	35.6 cm	Input device model	Clavier HP Premium
RGB colour space	sRGB	Software	
Colour gamut	100%	Operating system installed *	Windows 11 Pro
Processor		Processor special features	
Processor manufacturer *	Intel	Intel Flex Memory Access	✓
Processor family *	Intel® Core™ i7	Intel Trusted Execution Technology	✓
Processor generation	12th gen Intel® Core™ i7	Intel VT-x with Extended Page Tables (EPT)	✓
Processor model *	i7-1255U	Execute Disable Bit	✓
Processor cores	10	CPU configuration (max)	1
Processor threads	12	Embedded options available	✗
Processor boost frequency	4.7 GHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	12 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	L3		
Configurable TDP-down	12 W		
Memory			
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		

<b>Memory</b>		<b>Brand-specific features</b>	
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 segment	Business
Number of free internal memory expansion slots	1	<b>Battery</b>	
ECC	✗	Battery technology	Lithium Polymer (LiPo)
Non-ECC	✓	Number of battery cells	3
<b>Storage</b>		Battery capacity *	38 Wh
Total storage capacity *	512 GB	<b>Power</b>	
Storage media *	SSD	AC adapter power	65 W
Total SSDs capacity	512 GB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	USB Type-C charging port *	✓
SSD interface	PCI Express	USB Power Delivery (USB PD)	✓
NVMe	✓	<b>Security</b>	
Optical drive type *	✗	Fingerprint reader	✓
<b>Graphics</b>		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM) version	2.0
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, Power on, User
Discrete graphics card *	✗	<b>Certificates</b>	
On-board graphics card family	Intel Iris Xe Graphics	Low halogen	✓
On-board graphics card model *	Intel Iris Xe Graphics	Compliance certificates	GS mark
<b>Audio</b>		<b>Sustainability</b>	
Audio system	B&O PLAY	Sustainability compliance	✓
Built-in speaker(s)	✓	Sustainability certificates	ENERGY STAR, TCO
Number of built-in speakers	2	<b>Weight &amp; dimensions</b>	
Speakers manufacturer	Bang & Olufsen	Width	315.6 mm
Built-in microphone	✓	Depth	224 mm
Number of microphones	2	Height	19.2 mm
<b>Camera</b>		Weight *	1.36 kg
Front camera	✓	<b>Packaging data</b>	
Front camera resolution (numeric)	5 MP	Package width	69 mm
<b>Network</b>		Package depth	449 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Package height	305 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	<b>Packaging content</b>	
Mobile network connection *	✗	Stylus pen	✗
Antenna type	2x2	<b>Other features</b>	
WLAN controller model	Intel Wi-Fi 6E AX211	Number of speakers	2



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