



HP EliteBook 650 G9 Intel® Core™ i5 i5-1235U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP

Product family: EliteBook

Product code: 6F1Y8EA#ABB

Product name : 650 G9



HP EliteBook 650 G9. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-1235U. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-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: 1.74 kg

Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Product colour *	Silver	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Premium	HDMI version	2.0
Introduction year	2022	Thunderbolt 4 ports quantity	1
Country of origin	China	Combo headphone/mic port	✓
Original brand name	HP	USB Type-C DisplayPort Alternate Mode	✓
Display		Keyboard	
Display diagonal *	39.6 cm (15.6")	Keyboard special features	Étanche
Display resolution *	1920 x 1080 pixels	Pointing device	Clickpad
Touchscreen *	✗	Numeric keypad *	✓
HD type	Full HD	Keyboard backlight	✓
Panel type	IPS	Spill-resistant keyboard	✓
Anti-glare screen	✓	Input device model	Clavier HP Premium
Display bezel technology	Micro-Edge	Software	
Display brightness	400 cd/m ²	Operating system installed *	Windows 11 Pro
Display diagonal (metric)	39.6 cm	Processor special features	
RGB colour space	NTSC	Intel Flex Memory Access	✓
Colour gamut	72%	Intel Trusted Execution Technology	✓
Processor		Intel VT-x with Extended Page Tables (EPT)	✓
Processor manufacturer *	Intel	Execute Disable Bit	✓
Processor family *	Intel® Core™ i5	CPU configuration (max)	1
Processor generation	12th gen Intel® Core™ i5	Embedded options available	✗
Processor model *	i5-1235U	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cores	10	Intel Virtualization Technology (VT-x)	✓
Processor threads	12	Brand-specific features	
Processor boost frequency	4.4 GHz	HP speaker type	HP Dual Speakers
Processor cache	12 MB	HP Connection Optimizer	✓
Processor cache type	L3	HP Support Assistant	✓
Configurable TDP-down	12 W		
Memory			
Internal memory *	16 GB		
Internal memory type	DDR4-SDRAM		
Memory clock speed	3200 MHz		

Memory		Brand-specific features	
Memory layout (slots x size)	1 x 16 GB	HP Smart AC Adapter	✓
Memory slots	2x SO-DIMM	HP front camera	HP Privacy HD IR
Number of free internal memory expansion slots	1	HP Software provided	HP Hotkey Support; HP MAC Address Manager; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; HP Quick Touch
ECC	✗	HP segment	Business
Non-ECC	✓	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	512 GB	Number of battery cells	3
Storage media *	SSD	Battery capacity *	51 Wh
Total SSDs capacity	512 GB	Battery weight	180 g
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	65 W
NVMe	✓	AC adapter frequency	50 - 60 Hz
SSD form factor	M.2	AC adapter input voltage	100 - 240 V
Optical drive type *	✗	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete graphics card model *	Not available	Fingerprint reader	✓
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM) version	2.0
Discrete graphics card *	✗	Password protection	✓
On-board graphics card family	Intel Iris Xe Graphics	Password protection type	BIOS, Power on, User
On-board graphics card model *	Intel Iris Xe Graphics	Certificates	
Audio		Compliance certificates	CCC, GS mark
Built-in speaker(s)	✓	Sustainability	
Number of built-in speakers	2	Sustainability compliance	✓
Built-in microphone	✓	Sustainability certificates	ENERGY STAR
Number of microphones	2	Weight & dimensions	
Camera		Width	359.4 mm
Front camera	✓	Depth	233.9 mm
Front camera signal format	720p	Height	19.9 mm
Front camera HD type	HD	Weight *	1.74 kg
Infrared (IR) camera	✓	Packaging data	
Privacy camera	✓	Package width	69 mm
Network		Package depth	520 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Package height	305 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Packaging content	
Mobile network connection *	✗	Keyboard included	✓
Antenna type	2x2	Other features	
WLAN controller model	Intel Wi-Fi 6E AX211	Power management	✓
WLAN controller manufacturer	Intel	Number of speakers	2
Bluetooth	✓		
Bluetooth version	5.3		

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