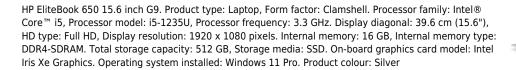


HP EliteBook 650 15.6 inch G9 Intel® Core™ i5 i5-1235U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP Product family: EliteBook Product code: 6F1C9EA

Product name: 650 15.6 inch

G9







Design		Ports & interfaces	
Product type * Product colour * Form factor * Market positioning Introduction year Country of origin	Laptop Silver Clamshell Premium 2022 China	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * HDMI version Thunderbolt 4 ports quantity	3 1 1 2.0 1
Original brand name	HP	Combo headphone/mic port	✓
Display		USB Type-C DisplayPort Alternate Mode	✓
Display diagonal * Display resolution * Touchscreen *	39.6 cm (15.6") 1920 x 1080 pixels	Performance Repairability index	7.7
HD type	Full HD	Keyboard	
Panel type Anti-glare screen Display bezel technology Display brightness Display diagonal (metric) RGB colour space Colour gamut	IPS ✓ Micro-Edge 400 cd/m² 39.6 cm NTSC 72%	Keyboard special features Pointing device Numeric keypad * Keyboard backlit Spill-resistant keyboard Input device model	Resistente a derrames Clickpad ✓ ✓ Teclado HP Premium
Processor		Software	Minds at 11 Day
Processor manufacturer * Processor family *	Intel Intel® Core™ i5	Operating system installed * Processor special features	Windows 11 Pro
Processor generation Processor model * Processor cores Processor threads	12th gen Intel® Core™ i5 i5-1235U 10 12	Intel Flex Memory Access Intel Trusted Execution Technology Intel VT-x with Extended Page Tables (EPT)	* *
Processor boost frequency	4.4 GHz	Execute Disable Bit	✓
Processor frequency * Processor cache Processor cache type Configurable TDP-down	3.3 GHz 12 MB L3 12 W	CPU configuration (max) Embedded options available Intel Virtualization Technology for Directed I/O (VT-d)	1 × •
Memory		Intel Virtualization Technology (VT-x)	✓
Internal memory *	16 GB	Brand-specific features	
Internal memory type	DDR4-SDRAM	HP speaker type	HP Dual Speakers

Memory		Brand-specific features	
•	2200 MU-		
Memory clock speed Memory layout (slots x size)	3200 MHz 1 x 16 GB	HP Connection Optimizer	✓
Memory slots	2x SO-DIMM	HP Support Assistant	✓
Number of free internal memory		HP Smart AC Adapter	· · · · · · · · · · · · · · · · · · ·
expansion slots	1	HP front camera	HP Privacy HD IR
ECC	×		HP Hotkey Support; HP MAC Address Manager; myHP; HP Privacy
Non-ECC	✓	HP Software provided	Settings; Touchpoint Customizer for
Storage			Commercial; HP Notifications; HP QuickDrop; HP Quick Touch
Total storage capacity *	512 GB	HP segment	Business
Storage media *	SSD	Battery	
Total SSDs capacity	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	3
SSD capacity	512 GB	Battery capacity *	51 Wh
SSD interface	PCI Express	Battery weight	180 g
NVMe	✓ M2	Power	
SSD form factor	M.2	AC adapter power	65 W
Optical drive type *	X	AC adapter frequency	50 - 60 Hz
Graphics		AC adapter input voltage	100 - 240 V
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)	
On-board graphics card model *	Intel Iris Xe Graphics	version	2.0
Audio		Password protection	✓
Built-in speaker(s)	✓	Password protection type	BIOS, Power on, User
Number of built-in speakers	2	Certificates	
Built-in microphone	•	Compliance certificates	CCC, GS mark
Number of microphones	2	Sustainability	
Camera		Sustainability compliance	✓
Front camera	✓	Sustainability certificates	ENERGY STAR
Front camera signal format	720p	Weight & dimensions	
Front camera HD type	HD	Width	359.4 mm
Infrared (IR) camera	✓	Depth	233.9 mm
Network		Height	19.9 mm
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Weight *	1.74 kg
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Packaging data	,
Mobile network connection *	×	Package width	69 mm
Antenna type	2x2	Package depth	520 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Package height	305 mm
WLAN controller manufacturer	Intel	Packaging content	
Bluetooth Bluetooth version	5.3	Keyboard included	✓
bluetootii versioii	5.5	Stylus pen	
			X
		Other features	
		Power management	✓
		Number of speakers	2









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