



# HP EliteBook 850 G7 Intel® Core™ i5 i5-10210U Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Silver



**Brand :** HP

**Product family:** EliteBook

**Product code:** 204C8EA#ABB

**Product name :** 850 G7

HP EliteBook 850 G7. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-10210U, Processor frequency: 1.6 GHz. 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® UHD Graphics. Operating system installed: Windows 10 Pro. Product colour: Silver

Design		Network	
Product type *	Laptop	WLAN controller model	Intel Wi-Fi 6 AX201
Product colour *	Silver	WLAN controller manufacturer	Intel
Form factor *	Clamshell	Ethernet LAN	✗
Market positioning	Premium	Bluetooth	✓
Country of origin	China	Bluetooth version	5.0
Display		MIMO	✓
Display diagonal *	39.6 cm (15.6")	MIMO type	Multi User MIMO
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	Full HD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Panel type	IPS	HDMI ports quantity *	1
LED backlight	✓	HDMI version	1.4
Native aspect ratio	16:9	Combo headphone/mic port	✓
Anti-glare screen	✓	Performance	
Display brightness	1000 cd/m <sup>2</sup>	Ambient light sensor	✓
Display diagonal (metric)	39.6 cm	Keyboard	
RGB colour space	NTSC	Keyboard special features	Étanche
Colour gamut	72%	Pointing device	Clickpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i5	Full-size keyboard	✓
Processor generation	10th gen Intel® Core™ i5	Software	
Processor model *	i5-10210U	Operating system architecture	64-bit
Processor cores	4	Operating system installed *	Windows 10 Pro
Processor threads	8	Processor special features	
Processor boost frequency	4.2 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	1.6 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	4 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache	6 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	L3		
Processor socket	BGA 1528		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	15 W		

Processor		Processor special features	
Configurable TDP-up frequency	2.1 GHz	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-up	25 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Configurable TDP-down	10 W	Intel Clear Video Technology	✓
Configurable TDP-down frequency	0.8 GHz	Intel® Quick Sync Video Technology	✓
Tjunction	100 °C	Intel Flex Memory Access	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	16 GB	Intel TSX-NI	✗
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory clock speed	2666 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory layout (slots x size)	1 x 16 GB	Intel 64	✓
Memory slots	1x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	64 GB	Idle States	✓
ECC	✗	Thermal Monitoring Technologies	✓
Storage		Processor package size	46 x 24 mm
Total storage capacity *	512 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	512 GB	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express, NVMe	Processor ARK ID	195436
NVMe	✓	Brand-specific features	
SSD form factor	M.2	HP JumpStart	✓
Optical drive type *	✗	HP Sure View	✓
Graphics		HP speaker type	HP Dual Speakers
Discrete graphics card model *	Not available	HP Connection Optimizer	✓
On-board graphics card *	✓	HP Support Assistant	✓
On-board GPU manufacturer	Intel	HP front camera	HP Webcam HD IR
Discrete graphics card *	✗	HP Security tools	HP DriveLock and Automatic DriveLock; HP Secure Erase; HP Sure Click; HP BIOSphere Gen5; HP Sure Sense; HP Client Security Manager Gen6; HP Sure Start Gen6; HP Sure Run Gen3; HP Sure Recover Gen3
On-board graphics card model *	Intel® UHD Graphics	HP Management tools	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen4
On-board graphics card base frequency	300 MHz	HP Software provided	P Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; HP WorkWell
On-board graphics card dynamic frequency (max)	1100 MHz	HP segment	Business
Maximum on-board graphics card memory	32 GB	Battery	
Number of execution units	24	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card DirectX version	12.0	Number of battery cells	3
On-board graphics card OpenGL version	4.5	Battery capacity *	56 Wh
On-board graphics card ID	0x9B41	Battery weight	213 g
Audio		Power	
Audio system	Bang & Olufsen	AC adapter power	65 W
Number of built-in speakers	2		
Built-in microphone	✓		
Number of microphones	3		
Camera			
Front camera	✓		
Front camera HD type	HD		
Infrared (IR) camera	✓		
Network			
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	Wi-Fi 6 (802.11ax)		

Network		Sustainability	
Mobile network connection *	✘	Sustainability certificates	TCO, ENERGY STAR
Antenna type	2x2	Weight & dimensions	
		Width	359.7 mm
		Depth	233.8 mm
		Height	19.2 mm
		Weight *	1.67 kg
		Logistics data	
		Harmonized System (HS) code	84713000



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