



# HP EliteBook 850 G7 Intel® Core™ i7 i7-10510U 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:** 24Z91EA#ABH

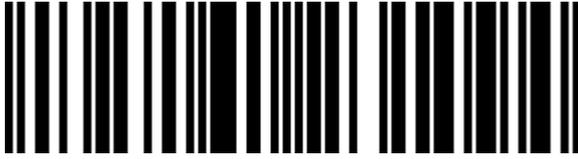
**Product name :** 850 G7

HP EliteBook 850 G7. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10510U, Processor frequency: 1.8 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

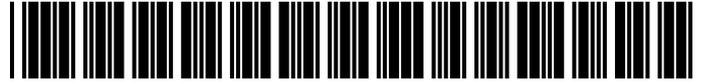
Design		Network	
Product type *	Laptop	WLAN controller manufacturer	Intel
Product colour *	Silver	Ethernet LAN	✗
Form factor *	Clamshell	Bluetooth	✓
Market positioning	Business	Bluetooth version	5.0
Country of origin	China	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	39.6 cm (15.6")	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	1.4
HD type	Full HD	Combo headphone/mic port	✓
Panel type	IPS	Performance	
Native aspect ratio	16:9	Ambient light sensor	✓
Anti-glare screen	✓	Keyboard	
Display bezel technology	Micro-Edge	Keyboard special features	Étanche
Display brightness	400 cd/m <sup>2</sup>	Numeric keypad *	✓
Display diagonal (metric)	39.6 cm	Keyboard backlit	✓
RGB colour space	NTSC	Spill-resistant keyboard	✓
Colour gamut	72%	Full-size keyboard	✓
Processor		Keyboard layout	QWERTY
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i7	Operating system architecture	64-bit
Processor generation	10th gen Intel® Core™ i7	Operating system installed *	Windows 10 Pro
Processor model *	i7-10510U	Processor special features	
Processor cores	4	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	4.9 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	1.8 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	4 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	8 MB		
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	2.3 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Configurable TDP-up	25 W	Intel Clear Video Technology	✓
Configurable TDP-down	10 W	Intel® Quick Sync Video Technology	✓
Configurable TDP-down frequency	0.8 GHz	Intel Flex Memory Access	✓
Tjunction	100 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel® Secure Key	✓
<b>Memory</b>		Intel TSX-NI	✗
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speed	2666 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	SO-DIMM	Intel 64	✓
Memory layout (slots x size)	1 x 16 GB	Execute Disable Bit	✓
Memory slots	1x SO-DIMM	Idle States	✓
ECC	✗	Thermal Monitoring Technologies	✓
<b>Storage</b>		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	NVMe, PCI Express	Processor ARK ID	196449
NVMe	✓	<b>Brand-specific features</b>	
SSD form factor	M.2	HP JumpStart	✓
Optical drive type *	✗	HP speaker type	HP Dual Speakers
Card reader integrated	✗	HP Connection Optimizer	✓
<b>Graphics</b>		HP Support Assistant	✓
Discrete graphics card model *	Not available	HP front camera	HP Webcam
On-board graphics card *	✓	HP Management tools	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit
On-board GPU manufacturer	Intel	HP segment	Business
Discrete graphics card *	✗	<b>Battery</b>	
On-board graphics card model *	Intel® UHD Graphics	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card base frequency	300 MHz	Number of battery cells	3
On-board graphics card dynamic frequency (max)	1150 MHz	Battery capacity *	56 Wh
Maximum on-board graphics card memory	32 GB	Battery weight	213 g
Number of execution units	24	<b>Power</b>	
On-board graphics card DirectX version	12.0	AC adapter power	65 W
On-board graphics card OpenGL version	4.5	DC-in jack	✓
On-board graphics card ID	0x9B41	<b>Certificates</b>	
<b>Audio</b>		Low halogen	✓
Audio system	B&O PLAY	<b>Sustainability</b>	
Number of built-in speakers	2	Sustainability certificates	ENERGY STAR
Built-in microphone	✓	<b>Weight &amp; dimensions</b>	
Number of microphones	3	Width	359.7 mm
<b>Camera</b>		Depth	233.8 mm
Front camera	✓	Height	19.2 mm
Front camera HD type	HD		
<b>Network</b>			
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	Wi-Fi 6 (802.11ax)		
Antenna type	2x2		

Network		Weight & dimensions	
WLAN controller model	Intel Wi-Fi 6 AX201	Weight *	1.67 kg
Logistics data			
Harmonized System (HS) code		84713000	



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