



## HP EliteBook x360 830 G7 Intel® Core™ i7 i7-10510U Hybrid (2-in-1) 33,8 cm (13.3") Touchscreen Full HD 16 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Silver

Brand : HP

Product family: EliteBook  
x360

Product code: 1W7R7PA

Product name : 830 G7

- Windows 10 Pro 64-bit
- Intel Core i7-10510U (8MB Cache, 1.8GHz)
- 33.8 cm (13.3") Full HD 1920 x 1080 IPS Touch
- 16GB (2666MHz) DDR4-SDRAM & 256GB SSD

Intel Core i7-10510U (8MB Cache, 1.8GHz), 16GB DDR4-SDRAM, 256GB SSD, 33.8 cm (13.3") Full HD 1920 x 1080 IPS Touch, Intel UHD Graphics, WLAN, 4G, Webcam, Windows 10 Pro 64-bit

HP EliteBook x360 830 G7 Intel® Core™ i7 i7-10510U Hybrid (2-in-1) 33,8 cm (13.3") Touchscreen Full HD 16 GB DDR4-SDRAM 256 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Pro Silver:

The beautifully designed, thin, and light HP EliteBook x360 830 G7 adapts to all the ways you create, connect, and collaborate. Meet the demands of your multi-task, multi-place workday with this powerful and highly secure convertible PC.



Design		Network	
Product type *	Hybrid (2-in-1)	Ethernet LAN	✗
Product colour *	Silver	Bluetooth	✓
Form factor *	Convertible (Folder)	Bluetooth version	5.0
Market positioning	Premium	Ports & interfaces	
Country of origin	China	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Display diagonal *	33,8 cm (13.3")	HDMI ports quantity *	1
Display resolution *	1920 x 1080 pixels	HDMI version	1.4b
Touchscreen *	✓	Combo headphone/mic port	✓
HD type	Full HD	Performance	
Panel type	IPS	Ambient light sensor	✓
LED backlight	✓	Accelerometer	✓
Native aspect ratio	16:9	Gyroscope	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Software	
Processor generation	10th gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-10510U	Operating system installed *	Windows 10 Pro
Processor cores	4	Processor special features	
Processor threads	8	Intel® My WiFi Technology (Intel® MWT)	✓
Processor boost frequency	4,9 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	1,8 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	4 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	8 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	BGA 1528	Intel Clear Video Technology	✓
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,3 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	10 W		
Configurable TDP-down frequency	0,8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel Trusted Execution Technology	✗
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2666 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x SO-DIMM	Intel® OS Guard	✓
Maximum internal memory *	32 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage		Intel 64	✓
Total storage capacity *	256 GB	Execute Disable Bit	✓
Storage media *	SSD	Idle States	✓
Total SSDs capacity	256 GB	Thermal Monitoring Technologies	✓
Number of SSDs installed	1	Processor package size	46 x 24 mm
SSD capacity	256 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
SSD interface	PCI Express	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✗
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	Not available	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Processor ARK ID	196449
On-board GPU manufacturer	Intel	Brand-specific features	
Discrete graphics card *	✗	HP JumpStart	✓
On-board graphics card model *	Intel® UHD Graphics	HP speaker type	HP Dual Speakers
On-board graphics card base frequency	300 MHz	HP Connection Optimizer	✓
On-board graphics card dynamic frequency (max)	1150 MHz	HP Support Assistant	✓
Maximum on-board graphics card memory	32 GB	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
Number of execution units	24		
On-board graphics card DirectX version	12.0	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 OpenGL version	4.5		
On-board graphics card ID	0x9B41	HP Software provided	HP Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; HP WorkWell
Audio		HP segment	Business
Audio system	Bang & Olufsen	Battery	
Number of built-in speakers	2	Battery technology	Lithium-Ion (Li-Ion)
Built-in microphone	✓	Number of battery cells	3
Number of microphones	3	Battery capacity *	53 Wh
Camera		Battery weight	210 g
Front camera	✓	Power	
Network		AC adapter power	65 W
Mobile network generation	4G	Weight & dimensions	
4G standard	LTE	Width	307,5 mm
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Depth	205 mm
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Height	17,9 mm
Mobile network connection *	✓	Weight *	1,31 kg

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