



HP EliteBook 820 G3 Intel® Core™ i7 i7-6500U Laptop 12.5" Full HD 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Black, Silver

Brand : HP

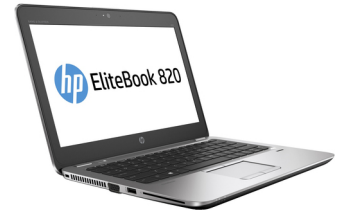
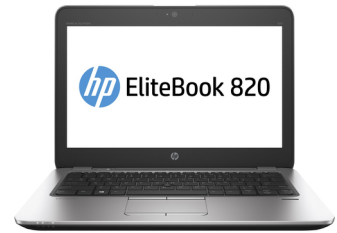
Product family: EliteBook

Article code: W7W06PP

Product name : 820 G3

Intel Core i7-6500U (2.5GHz, 2 Cores), 12.5" Full HD (1920 x 1080), 8GB DDR4-SDRAM 2133MHz (1 x 8), 1000GB SATA HDD 5400, Intel HD Graphics 520, Gigabit LAN, WLAN 802.11a/ac/b/g/n, Bluetooth 4.2, Windows 10 Home 64-bit

HP EliteBook 820 G3. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6500U, Processor frequency: 2.5 GHz. Display diagonal: 12.5", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: Windows 10 Home. Product color: Black, Silver



Design		Ports & interfaces	
Product type *	Laptop	SmartCard slot	✗
Product color *	Black, Silver	USB Sleep-and-Charge	✓
Form factor *	Clamshell	USB Sleep-and-Charge ports	1
Country of origin	China	Keyboard	
Display		Pointing device	Touchpad
Display diagonal *	12.5"	Numeric keypad *	✗
Display resolution *	1920 x 1080 pixels	Keyboard backlight	✓
Touchscreen *	✗	Island-style keyboard	✓
HD type	Full HD	Spill-resistant keyboard	✓
LED backlight	✓	Full-size keyboard	✓
Native aspect ratio	16:9	Windows keys	✓
Display surface	Matt	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	Intel	Operating system installed *	Windows 10 Home
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	6th gen Intel® Core™ i7	Intel® Wireless Display (Intel® WiDi)	✓
Processor model *	i7-6500U	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cores	2	Intel® Smart Response Technology	✓
Processor threads	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	3.1 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	2.5 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	4 GT/s	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache	4 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	LGA 1356 (Socket B2)	Intel Clear Video Technology	✓
Processor lithography	14 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-6500 Mobile series		
Processor codename	Skylake		
Bus type	OPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.6 GHz		

Processor		Processor special features	
Configurable TDP-up	25 W	Intel® Insider™	✓
Configurable TDP-down	7.5 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	12	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x4, 4x1	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	8 GB	Intel Stable Image Platform Program (SIPP)	✗
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speed	2133 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory layout (slots x size)	1 x 8 GB	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	16 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	42 X 24 mm
Storage media *	HDD	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Total HDDs capacity	1 TB	Processor code	SR2EZ
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	1 TB	Embedded options available	✗
HDD interface	SATA	Graphics & IMC lithography	14 nm
HDD speed	5400 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Smart Response Technology version	1.00
Compatible memory cards	SD, SDHC, SDXC	Intel Stable Image Platform Program (SIPP) version	0.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel TSX-NI version	1.00
Discrete graphics card *	✗	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	88194
On-board graphics card model *	Intel® HD Graphics 520	Conflict-Free processor	✓
On-board graphics card base frequency	300 MHz	Battery	
On-board graphics card dynamic frequency (max)	1050 MHz	Battery technology	Lithium Polymer (LiPo)
Maximum on-board graphics card memory	1.74 GB	Number of battery cells	3
On-board graphics card DirectX version	12.0	Battery capacity *	44 Wh
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	1916	AC adapter power	65 W
Audio		DC-in jack	✓
Number of built-in speakers	2	Security	
Built-in microphone	✓	Cable lock slot	✓
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Password protection	✓
Network		Password protection type	Power on
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n), 802.11a, Wi-Fi 5 (802.11ac)	Width	12.2" (311 mm)
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		

Network		Weight & dimensions	
Bluetooth version	4.2	Depth	8.62" (218.9 mm)
Ports & interfaces		Height	0.744" (18.9 mm)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	2.78 lbs (1.26 kg)
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
DisplayPorts quantity	1	Other features	
DVI port	✗	Intel segment tagging	Enterprise
VGA (D-Sub) ports quantity	1	SIM card support	✓
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✓		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		

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