

## HP EliteBook 820 G3 (T9X45EA#UUG)

6th gen Intel® Core i5-6300U (3M Cache, 2.4 GHz), 8GB DDR3L-SDRAM, 256GB SSD, 31.8 cm (12.5") HD 1366 x 768, Intel® HD Graphics 520, LAN, WLAN, WebCam, Windows 7 Professional 64-bit



### Price details:

Price excl. VAT: 1,574.46 €

Eco fees: 0.36 €

VAT 21 %: 330.71 €

### Product details:

Product code: T9X45EA#UUG

EAN: 0889899438350

Manufacturer: HP

PDF generated on: 24 June, 2018



**1,905.53 €**

\* VAT included

Thin, light, and ready to work!

Impressively thin and light, the HP EliteBook 820 empowers users to create, connect, and collaborate, using enterprise-class performance technology that helps keep you productive in and out of the office.

Let nothing stand in your way

Power through your day with Windows 10 Pro[1] and the powerful, sleek, thin, and light HP EliteBook 820.

Self-healing safeguard

HP Sure Start with Dynamic Protection checks your BIOS every 15 minutes to detect attacks and corruption then self-heals the BIOS automatically.

Give your fingers a break

Enjoy a remarkable balance of comfort and feedback with the HP Premium Keyboard engineered for accuracy.

Field ready

Stand up to the workload with an EliteBook that passed MIL-STD 810G testing.[4]

In-house serviceability

Expand your system's memory, battery, storage, and WWAN.[5]

Give your speakers a boost

Experience the difference with HP Clear Sound AMP and the HP EliteBook 820 speakers.

Cut out the chatter

Suppress background noise including keyboard clicks with HP Noise Reduction Software.

See it clearly

Pick the right display for the way you work with FHD touch display.[3]

- Windows 7 Professional 64
- 6th gen Intel® Core i5 i5-6300U (3M Cache, 2.4 GHz)
- 31.8 cm (12.5") HD (1366 x 768)
- 8GB (1600 MHz) DDR3L-SDRAM (1 x 8 GB) & 256GB SSD
- Lithium Polymer (LiPo) battery
- 1.26 kg & 18.9 mm thin, USB C Thunderbolt port
- Windows 7 Professional 64
- 6th gen Intel® Core i5 i5-6300U (3M Cache, 2.4 GHz)
- 31.8 cm (12.5") HD (1366 x 768)
- 8GB (1600 MHz) DDR3L-SDRAM (1 x 8 GB) & 256GB SSD
- Windows 7 Professional 64
- 6th gen Intel® Core i5 i5-6300U (3M Cache, 2.4 GHz)
- 31.8 cm (12.5") HD (1366 x 768)
- 8Go (1600 MHz) DDR3L-SDRAM (1 x 8 Go) & 256Go SSD



- 31.8 cm (12.5") HD (1366 x 768)
  - 8GB (1600 MHz) DDR3L-SDRAM (1 x 8 GB) & 256GB SSD
  - Windows 7 Professional 64
  - 6th gen Intel® Core i5 i5-6300U (3M Cache, 2.4 GHz)
  - 31.8 cm (12.5") HD (1366 x 768)
  - 8GB (1600 MHz) DDR3L-SDRAM (1 x 8 GB) & 256GB SSD
  - Windows 7 Professional 64
  - 6th gen Intel® Core i5 i5-6300U (3M Cache, 2.4 GHz)
  - 31.8 cm (12.5") HD (1366 x 768)
  - 8GB (1600 MHz) DDR3L-SDRAM (1 x 8 GB) & 256GB SSD
- 

#### Main specifications:

##### Design

Colour of product:	Silver
Product type:	Notebook
Form factor:	Clamshell
Intel segment tagging:	Enterprise

##### Display

Display diagonal:	12.5 "
Display resolution:	1366 x 768 pixels
Touchscreen:	N
HD type:	HD
Aspect ratio:	16:9
LED backlight:	Y
Display surface:	Matt

##### Processor

Processor frequency:	2.4 GHz
Processor family:	Intel Core i5-6xxx
Processor model:	i5-6300U
Processor boost frequency:	3 GHz
Processor cores:	2
Processor threads:	4
System bus rate:	4 GT/s
Processor cache:	3 MB
Processor cache type:	Smart Cache
Processor socket:	LGA 1356 (Socket B2)
Processor lithography:	14 nm
Processor operating modes:	64-bit
Processor series:	Intel Core i5-6300 Mobile series
Processor codename:	Skylake
Bus type:	QPI
Stepping:	D1
Thermal Design Power (TDP):	15 W
Configurable TDP-down frequency:	800 MHz
Tjunction:	100 °C
Maximum number of PCI Express lanes:	12
PCI Express slots version:	3.0
PCI Express configurations:	1x4,4x1
ECC supported by processor:	N

##### Memory

Internal memory:	8 GB
Internal memory type:	DDR3L-SDRAM
Maximum internal memory:	16 GB
Memory clock speed:	1600 MHz
Memory form factor:	SO-DIMM
Memory layout (slots x size):	1 x 8 GB
Memory slots:	2x SO-DIMM

##### Storage

Total storage capacity:	256 GB
Storage media:	SSD
Card reader integrated:	Y

Number of SSDs installed:	1
Solid-state drive capacity:	256 GB
Solid-state drive interface:	Serial ATA
Compatible memory cards:	SD,SDHC,SDXC
<b>Graphics</b>	
On-board graphics adapter:	Y
Discrete graphics adapter:	N
On-board graphics adapter model:	Intel HD Graphics 520
Discrete graphics adapter model:	Not available
On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter base frequency:	300 MHz
On-board graphics adapter dynamic frequency:	1000 MHz
Maximum on-board graphics adapter memory:	1.74 GB
Number of displays supported (on-board graphics):	1
On-board graphics adapter DirectX version:	12
On-board graphics adapter OpenGL version:	4.4
On-board graphics adapter ID:	1916
<b>Audio</b>	
Number of built-in speakers:	2
Built-in microphone:	Y
<b>Camera</b>	
Front camera:	Y
<b>Optical drive</b>	
Optical drive type:	N
<b>Networking</b>	
Bluetooth:	Y
3G:	N
4G:	N
Wi-Fi:	Y
Wi-Fi standards:	IEEE 802.11b,IEEE 802.11g,IEEE 802.11n,IEEE 802.11a,IEEE 802.11ac
Ethernet LAN:	Y
Bluetooth version:	4.2
<b>Ports &amp; interfaces</b>	
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
USB 3.0 (3.1 Gen 1) Type-C ports quantity:	1
DisplayPorts quantity:	1
USB Sleep-and-Charge:	Y
USB Sleep-and-Charge ports:	1
Ethernet LAN (RJ-45) ports:	1
DVI port:	N
VGA (D-Sub) ports quantity:	1
Microphone in:	N
Combo headphone/mic port:	Y
Docking connector:	Y
DC-in jack:	Y
ExpressCard slot:	N
CardBus PCMCIA slot type:	N
SmartCard slot:	N
<b>Keyboard</b>	
Numeric keypad:	N
Pointing device:	Touchpad
Keyboard backlit:	Y
Island-style keyboard:	Y
Spill resistant keyboard:	Y
Full-size keyboard:	Y
Windows keys:	Y
<b>Software</b>	
Operating system installed:	Windows 7 Professional
Operating system architecture:	64-bit
<b>Processor special features</b>	
Intel® Wireless Display (Intel® WiDi):	Y
Intel® My WiFi Technology (Intel® MWT):	Y
Intel® Smart Response Technology:	Y

Intel® vPro™ Technology:	Y
Intel® Hyper Threading Technology (Intel® HT™ Technology):	Y
Intel® Turbo Boost Technology:	2.0
Intel® Small Business Advantage (Intel® SBA):	Y
Enhanced Intel SpeedStep Technology:	Y
Intel® Clear Video HD Technology (Intel® CVT™ HD):	Y
Intel Clear Video Technology:	Y
Intel® InTru™ 3D Technology:	Y
Intel® Insider™:	Y
Intel® Quick Sync Video Technology:	Y
Intel Flex Memory Access:	Y
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	Y
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel® Secure Key:	Y
Intel TSX-NI:	Y
Intel Stable Image Platform Program (SIPP):	Y
Intel® OS Guard:	Y
Intel Software Guard Extensions (Intel SGX):	1
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	Y
Intel 64:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Processor package size:	42 mm
Supported instruction sets:	SSE4.1,SSE4.2,AVX 2.0
Processor code:	SR2F0
CPU configuration (max):	1
Embedded options available:	Y
Graphics & IMC lithography:	14 nm
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel Smart Response Technology version:	1.00
Intel Stable Image Platform Program (SIPP) version:	1.00
Intel Secure Key Technology version:	1.00
Intel Small Business Advantage (SBA) version:	1.00
Intel TSX-NI version:	1.00
Intel Virtualization Technology (VT-x):	Y
Processor ARK ID:	88190
Conflict Free processor:	Y

#### Brand-specific features

HP 3D DriveGuard:	Y
HP ePrint:	Y
HP Recovery Manager:	Y
HP Support Assistant:	Y
HP Software provided:	HP BIOSphere with HP Sure Start, HP Client Security, HP Image Assistant, HP SoftPaq Download Manager, HP Connection Manager, HP Noise Reduction Software
HP segment:	Business

#### Battery

Battery technology:	Lithium Polymer (LiPo)
Number of battery cells:	3
Battery capacity (Watt hours):	44 Wh

#### Power

AC adapter power:	45 W
-------------------	------

#### Security

Cable lock slot:	Y
Fingerprint reader:	Y
Trusted Platform Module (TPM):	Y
Password protection:	Y
Password protection type:	Power on

#### Certificates

Energy Star certified:	Y
------------------------	---

#### Weight & dimensions

Weight:	1260 g
Width:	311 mm
Depth:	218.9 mm
Height:	18.9 mm

Packaging content	
AC adapter included:	Y