



HP ZBook 17 G3 i7-6820HQ Mobile workstation 43.9 cm (17.3") Full HD Intel® Core™ i7 16 GB DDR4-SDRAM 256 GB SSD NVIDIA® Quadro® M3000M Windows 7 Professional Black

Brand : HP

Product family: ZBook

Product code: T7V64EA-R-
RENEW

Product name : ZBook 17 G3

Intel Core i7-6820HQ (2.7GHz, 8MB), 17.3" FHD UWVA IPS anti-glare LED (1920 x 1080), 16GB (2 x 8GB) DDR4 SDRAM, 256GB HP Z Turbo Drive G2 PCIe, NVIDIA Quadro M3000M, webcam, Windows 7 Professional 64 / Windows 10 Pro 64

HP ZBook 17 G3. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6820HQ, Processor frequency: 2.7 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 530. Operating system installed: Windows 7 Professional. Product colour: Black



Li

Audio by
BANG & OLUFSEN

1080p

Design

Product type *	Mobile workstation
Product colour *	Black
Form factor *	Clamshell
Country of origin	China

Display

Display diagonal *	43.9 cm (17.3")
Display resolution *	1920 x 1080 pixels
Touch screen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor generation	6th gen Intel® Core™ i7
Processor *	i7-6820HQ
Processor frequency *	2.7 GHz
Processor boost frequency	3.6 GHz
Processor family *	Intel® Core™ i7
Processor number of cores	4
Processor threads	8
System bus data transfer rate	8 GT/s
Processor cache	8 MB
Processor cache type	Smart Cache
Processor socket	BGA 1440
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-6800 Mobile Series
Processor codename	Skylake
Bus type	DMI3
FSB Parity	✗
Stepping	R0
Motherboard chipset	Intel CM236
Thermal Design Power (TDP)	45 W
Configurable TDP-down	35 W

Ports & interfaces

Combo headphone/mic port	✓
Charging port type	DC-in jack

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlight	✓
Spill-resistant keyboard	✓

Software

Operating system architecture	64-bit
Recovery operating system	Windows 10 Pro
Operating system installed *	Windows 7 Professional

Processor special features

Intel Wireless Display (WiDi) Technology	✓
Intel My WiFi Technology	✓
Intel Anti-Theft Technology	✗
Intel® Smart Response Technology	✓
Intel Identity Protection Technology	✓
Intel Hyper-Threading Technology	✓
Intel Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Clear Video HD Technology	✓
Intel Clear Video Technology	✓
Intel® InTru™ 3D Technology	✓
Intel® Insider™	✓
Intel® Quick Sync Video Technology	✓
Intel Flex Memory Access	✓
Intel AES New Instructions	✓
Intel Trusted Execution Technology	✓
Intel Enhanced Halt State	✓
Intel VT-x with Extended Page Tables (EPT)	✓

Processor		Processor special features	
Tjunction	100 °C	Intel Demand Based Switching	✗
Maximum number of PCI Express lanes	16	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Stable Image Platform Program (SIPP)	✓
ECC supported by processor	✗	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	16 GB	Intel Clear Video Technology for MID	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2133 MHz	Execute Disable Bit	✓
Memory layout (slots x size)	2 x 8 GB	Idle States	✓
Memory slots	4x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	64 GB	Processor package size	42 x 28 mm
Storage		Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Total storage capacity *	256 GB	Processor code	SR2FU
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	256 GB	Embedded options available	✗
Number of SSDs installed	1	Graphics & IMC lithography	14 nm
Solid-state drive capacity	256 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Solid-state drive interfaces	PCI Express	Intel Identity Protection Technology version	1.00
Optical drive type *	✗	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	1.00
Compatible memory cards	SD, SDHC, SDXC	Intel Secure Key Technology version	1.00
Graphics		Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card model *	NVIDIA® Quadro® M3000M	Intel TSX-NI version	1.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✗
On-board graphics card model *	Intel® HD Graphics 530	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	350 MHz	Intel Fast Memory Access	✗
On-board graphics card dynamic frequency (max)	1050 MHz	Processor ARK ID	88970
Maximum on-board graphics card memory	1.7 GB	Conflict-Free processor	✓
On-board graphics card DirectX version	12.0	Battery	
On-board graphics card OpenGL version	4.4	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x191B	Number of battery cells	6
Discrete graphics card memory	4 GB	Battery capacity *	96 Wh
Discrete graphics memory type	GDDR5	Energy Management	
Audio		AC adapter power	200 W
Audio system	Bang & Olufsen	Security	
Number of built-in speakers	2	Cable lock slot	✓
Built-in microphone	✓	Trusted Platform Module (TPM)	✓
Camera		Sustainability	
Front camera	✓	Sustainability certificates	ENERGY STAR
Network		Weight & Dimensions	
Wi-Fi	✓	Width	420 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	280 mm
Ethernet LAN connection	✓	Height	30 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	3 kg
Bluetooth	✓		
Bluetooth version	4.2		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		

Ports & interfaces

Ethernet LAN (RJ-45) ports quantity	1
HDMI ports quantity *	1
VGA (D-Sub) ports quantity	1
Thunderbolt 3 ports quantity	2

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