



## HP ZBook 15 G2 Intel® Core™ i7 i7-4810MQ Mobile workstation 39.6 cm (15.6") 16 GB DDR3L-SDRAM 256 GB SSD Black

**Brand :** HP

**Product family:** ZBook

**Product code:** M5H85UP

**Product name :** 15 G2

- Intel Core i7-4810MQ (6MB Cache, 2.8GHz)

- 39.6 cm (15.6")

- 16GB (1600MHz) DDR3L-SDRAM & 256GB SSD

Intel Core i7-4810MQ (6MB Cache, 2.8GHz), 16GB DDR3L-SDRAM, 256GB SSD, 39.6 cm (15.6"), Intel HD Graphics 4600, LAN, WLAN, Webcam

HP ZBook 15 G2 Intel® Core™ i7 i7-4810MQ Mobile workstation 39.6 cm (15.6") 16 GB DDR3L-SDRAM 256 GB SSD Black:



### Perform on the go.

Be productive in the office or in the field. Take advantage of the HP ZBook 15 G2's powerful processing and graphics, simple scalability, and blazing-fast connectivity to perform and collaborate at the speed of creativity.

HP ZBook 15 G2. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel®

Core™ i7, Processor: i7-4810MQ, Processor frequency: 2.8 GHz. Display diagonal: 39.6 cm (15.6").

Internal memory: 16 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage

media: SSD. On-board graphics card model: Intel® HD Graphics 4600. Product colour: Black. Weight:

2.82 kg

Design		Ports & interfaces	
Product type *	Mobile workstation	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Product colour *	Black	Ethernet LAN (RJ-45) ports quantity	1
Form factor *	Clamshell	DisplayPorts quantity	1
Country of origin	China	VGA (D-Sub) ports quantity	1
Display		Thunderbolt 2 ports quantity	1
Display diagonal *	39.6 cm (15.6")	Combo headphone/mic port	✓
Touch screen *	✗	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Dual-screen	✗	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i7	Intel Wireless Display (WiDi) Technology	✓
Processor generation	4th gen Intel® Core™ i7	Intel Anti-Theft Technology	✓
Processor *	i7-4810MQ	Intel Identity Protection Technology	✓
Processor number of cores	4	Intel Hyper-Threading Technology	✓
Processor threads	8	Intel Turbo Boost Technology	2.0
Processor boost frequency	3.8 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.8 GHz	Intel Clear Video HD Technology	✓
System bus data transfer rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	6 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor lithography	22 nm	Intel QuickPath Interconnect	✓
Processor operating modes	64-bit	Intel AES New Instructions	✓
Processor series	Intel Core i7-4800 Mobile series	Intel Trusted Execution Technology	✓
Processor codename	Haswell	Intel Enhanced Halt State	✓
Bus type	DMI2	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	47 W	Intel Demand Based Switching	✓
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

Processor		Processor special features	
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	16 GB	Intel 64	✓
Internal memory type	DDR3L-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	4x SO-DIMM	Processor package size	37.5 x 37.5 x 4.7 mm
Maximum internal memory *	32 GB	Supported instruction sets	AVX 2.0
Storage		CPU configuration (max)	1
Total storage capacity *	256 GB	Embedded options available	✗
Storage media *	SSD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total SSDs capacity	256 GB	Intel Identity Protection Technology version	1.00
Number of SSDs installed	1	Intel Secure Key Technology version	1.00
Solid-state drive capacity	256 GB	Intel TSX-NI version	0.00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	SD	Intel FDI Technology	✓
Graphics		Processor ARK ID	78937
On-board graphics card *	✓	Conflict-Free processor	✓
On-board graphics card family	Intel® HD Graphics	Special features	
On-board graphics card model *	Intel® HD Graphics 4600	HP speaker type	HP Dual Speakers
On-board graphics card base frequency	400 MHz	HP Smart AC Adapter	✓
On-board graphics card dynamic frequency (max)	1300 MHz	HP segment	Business
Maximum on-board graphics card memory	1.74 GB	Battery	
On-board graphics card DirectX version	11.1	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x416	Number of battery cells	8
Audio		Weight & Dimensions	
Audio system	DTS Studio Sound	Width	381.5 mm
Number of built-in speakers	2	Depth	257 mm
Built-in microphone	✓	Height	30.5 mm
Camera		Weight *	2.82 kg
Front camera	✓	Packaging Content	
Network		AC adapter bundled *	✓
Wi-Fi	✓	Other features	
Ethernet LAN connection	✓	DisplayPort version	1.2
Ethernet LAN data rates	10,100,1000 Mbit/s		
Ports & interfaces			
USB 2.0 ports quantity *	1		

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