



HP ZBook 15u G4 i7-7600U Mobile workstation 39.6 cm (15.6") Intel® Core™ i7 16 GB DDR4-SDRAM 256 GB SSD AMD FirePro W4190M Wi-Fi 5 (802.11ac) Windows 10 Pro Black

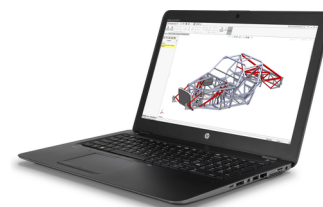
Brand : HP

Product family: ZBook

Product code: 1GS07PA

Product name : 15u G4

Intel Core i7-7600U (4M Cache, up to 3.90 GHz), 16GB DDR4-SDRAM, 256GB SSD, Intel HD Graphics 640 + AMD FirePro W4190M 2GB, 15.6" (1920 x 1080), Bluetooth, Wi-Fi, Windows 10 Pro
HP ZBook 15u G4. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-7600U, Processor frequency: 2.8 GHz. Display diagonal: 39.6 cm (15.6"). 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 620. Mobile network generation: 4G. Discrete graphics card model: AMD FirePro W4190M. Operating system installed: Windows 10 Pro. Product colour: Black



Windows 10



Design		Network	
Product type *	Mobile workstation	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Product colour *	Black	Mobile network connection *	✓
Form factor *	Clamshell	Ethernet LAN connection	✓
Country of origin	China	Ethernet LAN data rates	10,100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	39.6 cm (15.6")	Bluetooth version	4.2
Touch screen *	✗	Ports & interfaces	
Panel type	IPS	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
LED backlight	✓	Ethernet LAN (RJ-45) ports quantity	1
Display surface	Matt	DisplayPorts quantity	1
Dual-screen	✗	DVI port	✗
Processor		VGA (D-Sub) ports quantity	1
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor generation	7th gen Intel® Core™ i7	Docking connector	✗
Processor *	i7-7600U	Charging port type	DC-in jack
Processor frequency *	2.8 GHz	Keyboard	
Processor boost frequency	3.9 GHz	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor number of cores	2	Software	
Processor threads	4	Operating system architecture	64-bit
System bus data transfer rate	4 GT/s	Operating system installed *	Windows 10 Pro
Processor cache	4 MB	Processor special features	
Processor cache type	Smart Cache	Intel My WiFi Technology	✓
Processor socket	BGA 1356	Intel® Smart Response Technology	✓
Processor lithography	14 nm	Intel Identity Protection Technology	✓
Processor operating modes	64-bit	Intel Hyper-Threading Technology	✓
Processor series	Intel Core i7-7600 Mobile Series	Intel Turbo Boost Technology	2.0
Processor codename	Kaby Lake	Enhanced Intel SpeedStep Technology	✓
Bus type	OPI	Intel Clear Video HD Technology	✓
Stepping	H0	Intel Clear Video Technology	✓
Thermal Design Power (TDP)	15 W	Intel® Quick Sync Video Technology	✓
Configurable TDP-up frequency	2.9 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7.5 W		

Processor		Processor special features	
Configurable TDP-down frequency	0.8 GHz	Intel Flex Memory Access	✓
Tjunction	100 °C	Intel® Smart Cache	✓
Maximum number of PCI Express lanes	12	Intel AES New Instructions	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✓
PCI Express configurations	1x2, 1x4, 2x2, 2x1, 4x1	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	16 GB	Intel TSX-NI	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Memory clock speed	2133 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory layout (slots x size)	1 x 16 GB	Intel Clear Video Technology for MID	✓
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	64 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	256 GB	Thermal Monitoring Technologies	✓
Storage media *	SSD	Processor package size	42 x 24 mm
Total SSDs capacity	256 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of SSDs installed	1	Processor code	SR33Z
Solid-state drive capacity	256 GB	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✓
Compatible memory cards	SD, SDHC, SDXC	Graphics & IMC lithography	14 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	AMD FirePro W4190M	Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Smart Response Technology version	1.00
Discrete graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card family	Intel® HD Graphics	Intel Secure Key Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 620	Intel TSX-NI version	1.00
On-board graphics card base frequency	300 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	97466
Maximum on-board graphics card memory	32 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	0x5916	Number of battery cells	3
Discrete graphics card memory	2 GB	Battery capacity *	51 Wh
Discrete graphics memory type	GDDR5	Energy Management	
Number of discrete graphics cards installed	1	AC adapter power	65 W
Audio		Sustainability	
Speakers manufacturer	Bang & Olufsen	Sustainability certificates	ENERGY STAR
Built-in microphone	✓	Weight & Dimensions	
Camera		Width	383.3 mm
Front camera	✓	Depth	257.7 mm
Network		Height	19.9 mm
Mobile network generation	4G	Weight *	1.89 kg
3G standards	HSPA+		
4G standard	LTE		
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		

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