



## HP ZBook Studio G5 Intel® Core™ i7 i7-8850H Mobile workstation 39,6 cm (15.6") 16 GB DDR4-SDRAM 512 GB SSD Windows 10 Pro Silver

**Brand :** HP

**Product family:** ZBook

**Product code:** 4YL51UP#ABB

**Product name :** Studio G5



- Windows 10 Pro 64-bit
- Intel Core i7-8850H (9MB Cache, 2.6GHz)
- 39.6 cm (15.6")
- 16GB (2666MHz) DDR4-SDRAM & 512GB SSD

Intel Core i7-8850H (9MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6"), Intel UHD Graphics 630, WLAN, Bluetooth, Webcam, Windows 10 Pro 64-bit

HP ZBook Studio G5 Intel® Core™ i7 i7-8850H Mobile workstation 39,6 cm (15.6") 16 GB DDR4-SDRAM 512 GB SSD Windows 10 Pro Silver:

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HP ZBook Studio G5. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-8850H, Processor frequency: 2,6 GHz. Display diagonal: 39,6 cm (15.6"). Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro. Product colour: Silver

Design		Ports & interfaces	
Product type *	Mobile workstation	USB Type-C DisplayPort Alternate Mode	✓
Product colour *	Silver	<b>Keyboard</b>	
Form factor *	Clamshell		
Country of origin	China	Pointing device	Clickpad
Display		Numeric keypad *	✗
Display diagonal *	39,6 cm (15.6")	Keyboard backlit	✓
LED backlight	✓	Spill-resistant keyboard	✓
Dual-screen	✗	Full-size keyboard	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i7	Operating system installed *	Windows 10 Pro
Processor generation	8th gen Intel® Core™ i7	<b>Processor special features</b>	
Processor model *	i7-8850H		
Processor cores	6		
Processor threads	12		
Processor boost frequency	4,3 GHz		
Processor frequency *	2,6 GHz		
System bus rate	8 GT/s		
Processor cache	9 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Bus type	DMI		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Configurable TDP-down frequency	2,1 GHz		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16	Intel® My WiFi Technology (Intel® MWT)	✓
		Intel® Identity Protection Technology (Intel® IPT)	✓
		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
		Intel® Turbo Boost Technology	2.0
		Enhanced Intel SpeedStep Technology	✓
		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
		Intel Clear Video Technology	✓
		Intel® InTru™ 3D Technology	✓
		Intel® Quick Sync Video Technology	✓
		Intel Flex Memory Access	✓
		Intel® AES New Instructions (Intel® AES-NI)	✓
		Intel Trusted Execution Technology	✗
		Intel Enhanced Halt State	✓

Processor		Processor special features	
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® Secure Key	✓
Memory		Intel TSX-NI	✓
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✓
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speed	2666 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 slots	2x SO-DIMM	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	512 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Total SSDs capacity	512 GB	Processor package size	42 x 28 mm
Number of SSDs installed	1	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
SSD capacity	512 GB	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✓
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	SD	Intel Identity Protection Technology version	1,00
Graphics		Intel Stable Image Platform Program (SIPP) version	1,00
On-board graphics card *	✓	Intel Secure Key Technology version	1,00
On-board graphics card model *	Intel® UHD Graphics 630	Intel TSX-NI version	1,00
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	134899
Maximum on-board graphics card memory	64 GB	Brand-specific features	
On-board graphics card DirectX version	12.0	HP speaker type	HP Quad Speakers
On-board graphics card OpenGL version	4.5	HP Smart AC Adapter	✓
On-board graphics card ID	0x3E9B	HP segment	Business
Audio		Battery	
Audio system	Bang & Olufsen	Battery technology	Lithium Polymer (LiPo)
Number of built-in speakers	4	Power	
Built-in microphone	✓	AC adapter power	150 W
Camera		Weight & dimensions	
Front camera	✓	Width	360 mm
Network		Depth	254 mm
Ethernet LAN	✗	Other features	
Bluetooth	✓	3D	✗
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2		
HDMI ports quantity *	1		
HDMI version	2.0		
Combo headphone/mic port	✓		

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