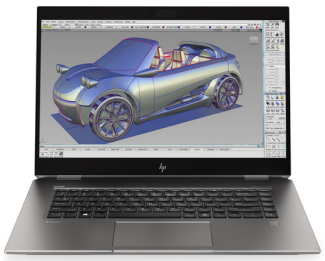
HP ZBook Studio G5 Intel® Core™ i7 i7-8850H Mobile workstation 39.6 cm (15.6") 16 GB DDR4-SDRAM 512 GB SSD Windows 10 Pro Silver



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

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Smaller, faster and brighter than ever
Get the perfect blend of ultra-slim design & pro-grade performance in the new HP ZBook Studio. Remove limitations from your creative workflow with fast editing and rendering, and bring your ideas to life on HP's brightest 4K UHD laptop display.
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 color: Silver

Design	
Product type *	Mobile workstation
Product color *	Silver
Form factor *	Clamshell
Country of origin	China

Display	
Display diagonal *	39.6 cm (15.6")
LED backlight	✔
Dual-screen	✘

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	8th gen Intel® Core™ i7
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

Ports & interfaces	
USB Type-C DisplayPort Alternate Mode	✔

Keyboard	
Pointing device	Clickpad
Numeric keypad *	✘
Keyboard backlit	✔
Spill-resistant keyboard	✔
Full-size keyboard	✔

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 10 Pro

Processor special features	
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	
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8+2x4, 2x8

Memory	
Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD

Graphics	
On-board graphics card *	✓
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E9B

Audio	
Audio system	Bang & Olufsen
Number of built-in speakers	4
Built-in microphone	✓

Camera	
Front camera	✓

Network	
Ethernet LAN	✗
Bluetooth	✓

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	✓

Processor special features	
Intel VT-x with Extended Page Tables (EPT)	✓
Intel® Secure Key	✓
Intel TSX-NI	✓
Intel Stable Image Platform Program (SIPP)	✓
Intel® OS Guard	✓
Intel Software Guard Extensions (Intel SGX)	✓
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Intel 64	✓
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Processor package size	42 x 28 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	1.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	1.00
Intel Virtualization Technology (VT-x)	✓
Processor ARK ID	134899

Brand-specific features	
HP speaker type	HP Quad Speakers
HP Smart AC Adapter	✓
HP segment	Business

Battery	
Battery technology	Lithium Polymer (LiPo)

Power	
AC adapter power	150 W

Weight & dimensions	
Width	360 mm
Depth	254 mm

Other features	
3D	✗

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