



# HP ZBook Studio 16 G10 Intel® Core™ i7 i7-13800H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey



**Brand :** HP **Product family:** ZBook Studio **Product code:** 62W36EA#ABH  
**Product name :** 16 G10

HP ZBook Studio 16 G10. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13800H, Processor frequency: 2.5 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey

Design		Audio	
Product type *	Mobile workstation	Number of microphones	2
Product colour *	Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Performance	Front camera HD type	HD
Introduction year	2023	Infrared (IR) camera	✓
Original brand name	HP	Network	
Display		Wi-Fi	✓
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1200 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WUXGA	Antenna type	2x2
Panel type	IPS	WLAN controller model	Intel Wi-Fi 6E AX211
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Ethernet LAN	✗
Anti-glare screen	✓	Bluetooth	✓
Display bezel technology	Micro-Edge	Bluetooth version	5.3
Display brightness	400 cd/m <sup>2</sup>	Ports & interfaces	
Display diagonal (metric)	40.6 cm	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
RGB colour space	sRGB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	100%	Thunderbolt 4 ports quantity	2
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i7	USB Sleep-and-Charge	✓
Processor generation	13th gen Intel® Core™ i7	USB Sleep-and-Charge ports	2
Processor model *	i7-13800H	Keyboard	
Processor cores	14	Keyboard special features	Morsbestendig
Processor threads	20	Pointing device	Clickpad
Processor boost frequency	5.2 GHz	Numeric keypad *	✗
Processor frequency *	2.5 GHz	Keyboard backlit	✓
Performance cores	6	Spill-resistant keyboard	✓
Efficient cores	8		
Performance-core Max Turbo Frequency	5.2 GHz		
Efficient-core Max Turbo Frequency	4 GHz		
Processor cache	24 MB		

<b>Processor</b>		<b>Keyboard</b>	
Processor cache type	L3	Full-size keyboard	✓
Configurable TDP-down	35 W	Keyboard layout	QWERTY
Processor base power	45 W	<b>Software</b>	
Maximum turbo power	115 W	Operating system installed *	Windows 11 Pro
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	32 GB	CPU configuration (max)	1
Internal memory type	DDR5-SDRAM	<b>Brand-specific features</b>	
Memory clock speed	5600 MHz	HP speaker type	HP Quad Speakers
Memory form factor	SO-DIMM	HP Connection Optimizer	✓
Memory layout (slots x size)	2 x 16 GB	HP Support Assistant	✓
Memory slots	2x SO-DIMM	HP front camera	HP Webcam HD IR
Maximum internal memory *	64 GB	HP segment	Business
Memory channels	Dual-channel	<b>Battery</b>	
ECC	✗	Battery technology	Lithium Polymer (LiPo)
Non-ECC	✓	Number of battery cells	6
<b>Storage</b>		Battery capacity *	86 Wh
Total storage capacity *	1 TB	Fast charging	✓
Storage media *	SSD	Fast charging time (50%)	30 min
Total SSDs capacity	1 TB	<b>Power</b>	
Number of SSDs installed	1	AC adapter power	200 W
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD memory type	TLC	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express	DC-in jack	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	<b>Security</b>	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	MicroSD (TransFlash)	Fingerprint reader	✓
<b>Graphics</b>		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM) version	2.0
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Password protection	✓
Discrete graphics card memory	12 GB	Password protection type	BIOS, Power on, User
Discrete graphics memory type	GDDR6X	<b>Certificates</b>	
On-board graphics card *	✓	Low halogen	✓
On-board GPU manufacturer	Intel	<b>Sustainability</b>	
Discrete graphics card *	✓	Sustainability compliance	✓
On-board graphics card family	Intel Iris Xe Graphics	Sustainability certificates	TCO
On-board graphics card model *	Intel Iris Xe Graphics	<b>Weight &amp; dimensions</b>	
Number of discrete graphics cards	1	Width	356 mm
<b>Audio</b>		Depth	242 mm
Audio system	B&O PLAY	Height	19 mm
Built-in speaker(s)	✓	Weight *	1.73 kg
Number of built-in speakers	4	<b>Packaging data</b>	
Speakers manufacturer	Bang & Olufsen	Package width	552 mm
Built-in microphone	✓	Package depth	69 mm
		Package height	345 mm
		<b>Packaging content</b>	
		Keyboard included	✓
		<b>Other features</b>	
		Number of speakers	4



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