HP

HP ZBook Studio 16 G10 Intel® Core™ i7 i7-13700H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP   **Product family:** ZBook Studio   **Product code:** 863K1ET#ABH

Product name : 16 G10

- Intel® Core™ i7-13700H (up to 5.0 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 14 cores, 20 threads)
- Windows 11 Pro
- 40.6 cm (16") diagonal WUXGA display
- NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated)
- 32 GB memory; 1 TB SSD storage
ZBook Studio 16 inch G10 Mobile Workstation PC Wolf Pro Security Edition, 16", Windows 11 Pro, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® RTX™ 2000 Ada, WUXGA

HP ZBook Studio 16 G10 Intel® Core™ i7 i7-13700H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Silver:

Powerfully immersive. Perfectly sized
Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real time or visualize data—from anywhere.

Design	
Product type *	Mobile workstation
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Performance
Introduction year	2024
Original brand name	HP

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display bezel technology	Micro-Edge
Display brightness	400 cd/m²
Display diagonal (metric)	40.6 cm
RGB colour space	sRGB
Colour gamut	100%

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700H
Processor cores	14
Processor threads	20
Processor boost frequency	5 GHz
Processor frequency *	2.4 GHz
Processor cache	24 MB
Processor cache type	L3

Memory	
Internal memory *	32 GB
Internal memory type	DDR5-SDRAM

Network	
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Thunderbolt 4 ports quantity	2
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	2

Keyboard	
Keyboard special features	Morsbestendig
Pointing device	Clickpad
Numeric keypad *	✗
Keyboard backlit	✔
Spill-resistant keyboard	✔
Full-size keyboard	✔
Keyboard layout	QWERTY
Input device model	HP Premium Quiet Keyboard

Memory

Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB
Memory channels	Dual-channel
ECC	✘
Non-ECC	✔

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD memory type	TLC
SSD interface	PCI Express 4.0
NVMe	✔
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA RTX 2000 Ada
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics
Number of discrete graphics cards	1

Audio

Audio system	B&O PLAY
Built-in speaker(s)	✔
Number of built-in speakers	4
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera HD type	HD
Infrared (IR) camera	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)

Software

Pre-installed software	Bing search for IE11; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant; Native Miracast support; HP Connection Optimizer; myHP; HP Privacy Settings; Data Science Stack; HP Easy Clean; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space; HP Camera & Super Resolution Software; HP Services Scan; Microsoft 365 and Office (sold separately and Internet access required for activation); HP Presence
Operating system installed *	Windows 11 Pro
Bundled software	HP Wolf Pro Security Edition (1 year)

Brand-specific features

HP Connection Optimizer	✔
HP Support Assistant	✔
HP Security tools	Absolute persistence module; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit; HP BIOSphere Gen6; HP Sure Start Gen6; HP Sure Admin; HP Image Assistant; Nano Security Lock Slot; HP Image Assistant Gen4.6; HP Client Security Manager Gen7; Trusted Platform Module TPM 2.0; HP Privacy Key
HP Management tools	HP Power Manager
HP segment	Business
HP GTIN (EAN/UPC)	197961461534

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	6
Battery capacity *	86 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	200 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Cable lock slot type	Nano
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, Power on, User

Sustainability

Sustainability compliance	✔
Sustainability certificates	TCO
Sustainable technologies and materials	Low Halogen

Weight & dimensions

Width	356 mm
Depth	242 mm
Height	19 mm
Weight *	1.73 kg

Packaging data

Package width	552 mm
Package depth	69 mm
Package height	345 mm

Packaging content

Keyboard included	✔

Logistics data

Harmonized System (HS) code	8471300000

Technical details

General Product Safety Regulation (GPSR) URL	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true

Other features

Number of speakers	4

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