



HP ZBook 8 G1i Intel Core Ultra 7 255H Mobile workstation 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Silver

Brand : HP

Product family: ZBook 8

Product code: C88G5ES

Product name : ZBook 8 G1i



- Windows 11 Pro
- Intel Core Ultra 7 255H (24MB Cache)
- 16" WQXGA 2560 x 1600 IPS, NVIDIA RTX PRO 500 Blackwell (6GB GDDR7)
- 32GB DDR5-SDRAM (2 x 16) & 2000GB SSD
- Intel Core Ultra 7 255H (24MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 16" WQXGA 2560 x 1600 IPS, Intel Arc 140T, NVIDIA RTX PRO 500 Blackwell (6GB GDDR7), LAN, Windows 11 Pro

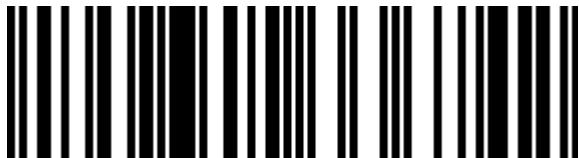
HP ZBook 8 G1i Intel Core Ultra 7 255H Mobile workstation 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro Silver:

Step up performance. Not size.

Pro-level performance combines with true mobility in this sleek and powerful laptop. Review 3D designs, create with AI tools in pro apps, and work across multiple projects wherever you are. Stay productive with an AI workstation that delivers both performance and long-lasting battery.

Design		Graphics	
Product type *	Mobile workstation	Discrete graphics memory type	GDDR7
Product colour *	Silver	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Market positioning	Performance	Discrete graphics card *	✓
Display		On-board graphics card family	Intel Arc Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel Arc 140T
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Number of built-in speakers	2
HD type	WQXGA	Built-in microphone	✓
Panel type	IPS	Number of microphones	2
Native aspect ratio	16:10	Camera	
Anti-glare screen	✓	Front camera resolution (numeric)	5 MP
Display brightness	400 cd/m²	Infrared (IR) camera	✓
Display diagonal (metric)	40.6 cm	Network	
Maximum refresh rate	120 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 7	WLAN controller model	Intel Wi-Fi 7 BE201
Processor generation	Intel Core Ultra (Series 2)	WLAN controller manufacturer	Intel
Processor model *	255H	Ethernet LAN	✓
Processor cores	16	Bluetooth	✓
Processor threads	16	Bluetooth version	5.4
Processor boost frequency	5.1 GHz	Ports & interfaces	
Performance cores	6	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient cores	8	USB 3.2 Gen 2x2 Type-C ports quantity	1
Low Power Efficient-cores	2	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.1 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.4 GHz	HDMI version	2.1
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		

Processor		Ports & interfaces	
Performance-core base frequency	2 GHz	Thunderbolt 4 ports quantity	2
Efficient-core base frequency	1.5 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Base Frequency	700 MHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	Performance	
Processor base power	28 W	Motherboard chipset	Intel SoC
Maximum turbo power	115 W	Keyboard	
Neural processor unit (NPU)		Pointing device	Clickpad
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✓
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Island-style keyboard	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Spill-resistant keyboard	✓
Total processor performance up to	96 TOPs	Full-size keyboard	✓
NPU performance up to	13 TOPs	Software	
GPU performance up to	74 TOPs	Operating system installed *	Windows 11 Pro
Memory		Brand-specific features	
Internal memory *	32 GB	HP Connection Optimizer	✓
Internal memory type	DDR5-SDRAM	HP Support Assistant	✓
Memory form factor	SO-DIMM	HP segment	Business
Memory layout (slots x size)	2 x 16 GB	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium Polymer (LiPo)
Maximum internal memory *	64 GB	Number of battery cells	8
Memory data transfer rate	5600 MT/s	Battery capacity *	77 Wh
Storage		Fast charging	✓
Total storage capacity *	2 TB	Fast charging time (50%)	30 min
Storage media *	SSD	Power	
Total SSDs capacity	2 TB	AC adapter power	150 W
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	2 TB	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Graphics		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Weight & dimensions	
Discrete graphics card model *	NVIDIA RTX PRO 500 Blackwell	Width	359 mm
Discrete graphics card memory	6 GB	Depth	250 mm
		Height	19.2 mm
		Weight *	1.72 kg
		Packaging data	
		Package width	504 mm
		Package depth	305 mm
		Package height	63 mm



0199642336742



199642336742

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 12-APR-2026. Prints or copies of Information are only valid on the printed Publication date