



HP ZBook 8 G1i Intel Core Ultra 7 265H Mobile workstation 40.6 cm (16") WQXGA 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 500 Ada Wi-Fi 7 (802.11be) Windows 11 Pro Silver

Brand : HP

Product family: ZBook 8

Product code: B30LSES

Product name : ZBook 8 G1i



- Intel Core Ultra 7 265H processor, 16 cores (up to 5.30 GHz)
- 40.6 cm (16") IPS display (WQXGA, 120 Hz)
- RTX 500 (4GB), 64GB RAM, 1024GB SSD
- Wi-Fi 7, 1 x HDMI
- Windows 11 Pro

ZBook 8 G1i 16 inch Mobile Workstation PC Wolf Pro Security Edition, 16", Windows 11 Pro, Intel Core™ Ultra 7, 32GB RAM, 1TB SSD, RTX™ 500 Ada, WUXGA, Meteor silver, AI Workstation; AI PC

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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	
Colour name	Meteor silver	On-board GPU manufacturer	Intel
Product type *	Mobile workstation	Discrete graphics card *	✓
Product colour *	Silver	On-board graphics card family	Intel Arc Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Arc 140T
Market positioning	Performance	Audio	
Original brand name	HP	Number of built-in speakers	2
Display		Built-in microphone	✓
Display diagonal *	40.6 cm (16")	Number of microphones	2
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQXGA	Front camera resolution (numeric)	5 MP
Panel type	IPS	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	Mobile network connection *	✗
Display brightness	400 cd/m²	Antenna type	2x2
Display diagonal (metric)	40.6 cm	WLAN controller model	Intel Wi-Fi 7 BE201
Maximum refresh rate	120 Hz	WLAN controller manufacturer	Intel
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor family *	Intel Core Ultra 7	Bluetooth	✓
Processor generation	Intel Core Ultra (Series 2)	Bluetooth version	5.4
Processor model *	265H	Ports & interfaces	
Processor cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor threads	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor boost frequency	5.3 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Low Power Efficient-cores	2		
Performance-core Max Turbo Frequency	5.3 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	4.5 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	2.2 GHz	Microphone in	✓
Efficient-core base frequency	1.7 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	✓	Spill-resistant keyboard	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to	97 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	13 TOPs	Brand-specific features	
GPU performance up to	75 TOPs	HP Connection Optimizer	✓
Memory		HP Support Assistant	✓
Internal memory *	64 GB	HP front camera	HP Webcam 5MP
Internal memory type	DDR5-SDRAM	HP segment	Business
Memory clock speed	5600 MHz	Battery	
Memory form factor	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 *	1 TB	Fast charging time (50%)	30 min
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	140 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
NVMe	✓	USB Type-C charging port *	✓
Optical drive type *	✗	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Cable lock slot	✓
Discrete graphics card model *	NVIDIA RTX 500 Ada	Fingerprint reader	✓
Discrete graphics card memory	4 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	359 mm
On-board graphics card *	✓	Depth	250 mm
		Height	19 mm
		Weight *	1.72 kg
		Packaging data	
		Package width	504 mm
		Package depth	305 mm
		Package height	63 mm
		Packaging content	
		AC adapter included *	✓



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