



HP Zbook X 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 AI Workstation, AI PC Silver



Brand : HP

Product family: Zbook X

Product code: C88GTES

Product name : ZBook X G1i

- Intel Core Ultra 7 255H processor, 16 cores (up to 5.10 GHz)
 - 40.6 cm (16") IPS display (WQXGA)
 - RTX Pro 500 (2GB), 32GB RAM, 2048GB storage
 - Wi-Fi 7, 2 x USB3.0
 - Windows 11 Professional
- ZBook X G1i 16" WQXGA Core Ultra 7 255H 32GB/2TB RTX PRO 500 Win11 Pro

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Pro-certified power within reach.

Upgrade to professional ISV certified performance at an affordable price. Power up your productivity on this durable yet premium AI workstation. Pro-grade components deliver exceptional performance to work with generative AI to explore design concepts, or complete 3D modeling and conceptual design.

Design		Graphics	
Colour name	Meteor silver	On-board graphics card *	✓
Product type *	Mobile workstation	On-board GPU manufacturer	Intel
Product colour *	Silver	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel Arc Graphics
Market positioning	Performance	On-board graphics card model *	Intel Arc 140T
Original brand name	HP	Audio	
Display		Number of built-in speakers	2
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Number of microphones	2
Touchscreen *	✗	Camera	
HD type	WQXGA	Front camera	✓
Panel type	IPS	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
Display brightness	400 cd/m ²	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display diagonal (metric)	40.6 cm	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	sRGB	Mobile network connection *	✗
Colour gamut	100%	WLAN controller model	Intel Wi-Fi 7 BE201
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel Core Ultra 7	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	Intel Core Ultra (Series 2)	Bluetooth	✓
Processor model *	255H	Bluetooth version	5.4
Processor cores	16	Ports & interfaces	
Processor threads	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor boost frequency	5.1 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	Thunderbolt 4 ports quantity	2
Performance-core Max Turbo Frequency	5.1 GHz		
Efficient-core Max Turbo Frequency	4.4 GHz		

Processor		Ports & interfaces	
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	2 GHz	Microphone in	✓
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	✓	Spill-resistant keyboard	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to	96 TOPs	Operating system architecture	64-bit
NPU performance up to	13 TOPs	Operating system installed *	Windows 11 Pro
GPU performance up to	74 TOPs	Brand-specific features	
Memory		HP speaker type	HP Dual Speakers
Internal memory *	32 GB	HP Connection Optimizer	✓
Internal memory type	DDR5-SDRAM	HP Support Assistant	✓
Memory slots	2x SO-DIMM	HP Smart AC Adapter	✓
Maximum internal memory *	64 GB	HP front camera	HP Webcam
Storage		HP Artificial Intelligence	AI Workstation, AI PC
Total storage capacity *	2 TB	HP segment	Business
Storage media *	SSD	Battery	
Total SSDs capacity	2 TB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Battery capacity *	86 Wh
SSD capacity	2 TB	Battery life (max)	12 h
SSD memory type	TLC	Power	
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	DC-in jack	✓
Optical drive type *	✗	USB Type-C charging port *	✓
Card reader integrated	✓	USB Power Delivery (USB PD)	✓
Compatible memory cards	SD	Security	
Graphics		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Cable lock slot type	Nano
Discrete graphics card model *	NVIDIA RTX PRO 500 Blackwell	Fingerprint reader	✓
Discrete graphics card memory	6 GB	Smart card reader	✓
Discrete graphics memory type	GDDR7	Weight & dimensions	
		Width	359 mm
		Depth	251 mm
		Height	23 mm
		Weight *	2.04 kg
		Packaging data	
		Package width	552 mm
		Package depth	69 mm
		Package height	345 mm
		Packaging content	
		AC adapter included *	✓



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