



HP Zbook X G1i Data Science Intel Core Ultra 9 285H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 2000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver



Brand : HP

Product family: Zbook X

Product code: B72YBET

Product name : ZBook X G1i
Data Science

- Intel Core Ultra 9 285H (up to 5.4 GHz with Intel Turbo Boost Technology, 24 MB L3 cache, 16 cores, 16 threads)
 - Windows 11 Pro
 - 40.6 cm (16") diagonal WUXGA display
 - NVIDIA RTX PRO 2000 Blackwell Generation Laptop GPU (8 GB GDDR7 dedicated)
 - 32 GB DDR5-5600 MT/s (1 x 32 GB), 1 TB PCIe Gen4 NVMe TLC M.2 SSD
- ZBook X G1i 16 inch Mobile Workstation PC - Data Science, 16", Windows 11 Pro, Intel Core Ultra 9, 32GB RAM, 1TB SSD, NVIDIA RTX PRO 2000 Blackwell, WUXGA, Meteor silver, AI Workstation; AI PC



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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		Camera	
Colour name	Meteor silver	Front camera	✓
Product type *	Mobile workstation	Front camera resolution (numeric)	5 MP
Product colour *	Silver	Infrared (IR) camera	✓
Form factor *	Clamshell	Network	
Market positioning	Performance	Wi-Fi	✓
Introduction year	2025	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Intel® vPro™ Platform Eligibility	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Country of origin	China, Thailand	Mobile network connection *	✗
Original brand name	HP	Antenna type	2x2
Display		WLAN controller model	Intel Wi-Fi 7 BE201
Display diagonal *	40.6 cm (16")	WLAN controller manufacturer	Intel
Display resolution *	1920 x 1200 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	WUXGA	Bluetooth	✓
Panel type	IPS	Bluetooth version	5.4
Display brightness	300 cd/m²	Cabling technology	10/100/1000Base-T(X)
Display diagonal (metric)	40.6 cm	Ports & interfaces	
RGB colour space	sRGB	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Colour gamut	62.5%	USB4 Gen 3x2 ports quantity	2
sRGB coverage (typical)	62.5%	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	2
Processor family *	Intel Core Ultra 9	Intel® Thunderbolt 4	✓
Processor generation	Intel Core Ultra (Series 2)	Microphone in	✓
Processor model *	285H	Combo headphone/mic port	✓
Processor cores	16	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	16		
Processor boost frequency	5.4 GHz		
Performance cores	6		
Efficient cores	8		

Processor		Performance	
Low Power Efficient-cores	2	Motherboard chipset	Intel SoC
Performance-core Max Turbo Frequency	5.4 GHz	Keyboard	
Efficient-core Max Turbo Frequency	4.5 GHz	Pointing device	Clickpad
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Numeric keypad *	✓
Performance-core base frequency	2.9 GHz	Keyboard backlit	✓
Efficient-core base frequency	2.7 GHz	Spill-resistant keyboard	✓
Low Power Efficient-core Base Frequency	1000 MHz	Software	
Processor cache	24 MB	Operating system installed *	Windows 11 Pro
Processor cache type	L3	Processor special features	
Processor base power	45 W	Intel® Turbo Boost Technology	✓
Maximum turbo power	115 W	Brand-specific features	
Neural processor unit (NPU)		HP speaker type	HP Dual Speakers
Neural processor unit (NPU)	Intel AI Boost	HP Smart AC Adapter	✓
Sparsity support	✓	HP Artificial Intelligence	AI Workstation, AI PC
Windows Studio effects support	✓	HP segment	Business
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	HP GTIN (EAN/UPC)	199485881812
Total processor performance up to	99 TOPs	Battery	
NPU performance up to	13 TOPs	Battery technology	Lithium Polymer (LiPo)
GPU performance up to	77 TOPs	Number of battery cells	6
Memory		Battery capacity *	83 Wh
Internal memory *	32 GB	Fast charging	✓
Internal memory type	DDR5-SDRAM	Fast charging time (50%)	30 min
Memory clock speed	5600 MHz	Power	
Memory form factor	SO-DIMM	AC adapter power	150 W
Memory layout (slots x size)	1 x 32 GB	AC adapter frequency	50 - 60 Hz
Memory slots	2x SO-DIMM	AC adapter input voltage	100 - 240 V
Maximum internal memory *	32 GB	USB Type-C charging port *	✓
Memory channels	Dual-channel	USB Power Delivery (USB PD)	✓
Storage		Security	
Total storage capacity *	1 TB	Password protection	✓
Storage media *	SSD	Password protection type	BIOS, Power on
Total SSDs capacity	1 TB	Sustainability	
Number of SSDs installed	1	Sustainability compliance	✓
SSD capacity	1 TB	Sustainability certificates	ENERGY STAR, TCO, TCO10
SSD memory type	TLC	Sustainable technologies and materials	Low halogen PCAs; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable; At least 60% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2	Weight & dimensions	
Optical drive type *	✗	Width	359 mm
Graphics		Depth	251 mm
Discrete GPU manufacturer	NVIDIA	Height	23 mm
Discrete graphics card model *	NVIDIA RTX PRO 2000 Blackwell	Weight *	2.04 kg
Discrete graphics card memory	8 GB	Packaging data	
Discrete graphics memory type	GDDR7	Package width	552 mm
On-board graphics card *	✓	Package depth	69 mm
On-board GPU manufacturer	Intel	Package height	345 mm
Discrete graphics card *	✓	Carbon footprint	
On-board graphics card family	Intel Arc Graphics	Total carbon footprint (kg of CO2e)	294.222
On-board graphics card model *	Intel Arc 140T		
Audio			
Built-in speaker(s)	✓		
Number of built-in speakers	2		
Built-in microphone	✓		
Number of microphones	2		

Carbon footprint	
Carbon emissions, manufacturing (kg of CO2e)	245.875
Carbon emissions, logistics (kg of CO2e)	26.428
Carbon emissions, end-of-life (kg of CO2e)	0.819
Total carbon emissions, w/o use phase (kg of CO2e)	21.1
Packaging content	
AC adapter included *	✓
Keyboard included	✓
Logistics data	
Harmonized System (HS) code	8471300000
Other features	
UNSPSC-code	43211503
Memory module type	SODIMM
Manufacturer warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.



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