



HP Zbook X G1i Data Science Intel Core Ultra 7 265HX 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: B72Y9ET

Product name : ZBook X G1i
Data Science

- Intel Core Ultra 7 265H (up to 5.3 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 7, 32GB RAM, 1TB SSD, 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	Infrared (IR) camera	✓
Product type *	Mobile workstation	Network	
Product colour *	Silver	Wi-Fi	✓
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Market positioning	Performance	Wi-Fi standards	Wi-Fi 7 (802.11be)
Introduction year	2025	Mobile network connection *	✗
Intel® vPro™ Platform Eligibility	✓	Antenna type	2x2
Country of origin	China, Thailand	WLAN controller model	Intel Wi-Fi 7 BE201
Original brand name	HP	WLAN controller manufacturer	Intel
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	1920 x 1200 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.4
HD type	WUXGA	Cabling technology	10/100/1000Base-T(X)
Panel type	IPS	Ports & interfaces	
Display brightness	300 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal (metric)	40.6 cm	USB4 Gen 3x2 ports quantity	2
RGB colour space	sRGB	HDMI ports quantity *	1
Colour gamut	62.5%	HDMI version	2.1
sRGB coverage (typical)	62.5%	Thunderbolt 4 ports quantity	2
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Microphone in	✓
Processor family *	Intel Core Ultra 7	Combo headphone/mic port	✓
Processor generation	Intel Core Ultra (Series 2)	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	265HX	Performance	
Processor cores	16	Motherboard chipset	Intel SoC
Processor threads	16		
Processor boost frequency	5.3 GHz		
Performance cores	8		
Efficient cores	12		

Processor		Keyboard	
Performance-core Max Turbo Frequency	5.3 GHz	Pointing device	Clickpad
Efficient-core Max Turbo Frequency	4.6 GHz	Numeric keypad *	✓
Performance-core base frequency	2.6 GHz	Keyboard backlit	✓
Efficient-core base frequency	2.3 GHz	Spill-resistant keyboard	✓
Processor cache	24 MB	Software	
Processor cache type	L3	Operating system installed *	Windows 11 Pro
Processor base power	55 W	Processor special features	
Maximum turbo power	160 W	Intel® Turbo Boost Technology	✓
Neural processor unit (NPU)		Brand-specific features	
Neural processor unit (NPU)	Intel AI Boost	HP speaker type	HP Dual Speakers
Sparsity support	✓	HP Smart AC Adapter	✓
Windows Studio effects support	✓	HP Artificial Intelligence	AI Workstation, AI PC
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	HP segment	Business
Total processor performance up to	33 TOPs	HP GTIN (EAN/UPC)	199485881843
NPU performance up to	13 TOPs	Battery	
GPU performance up to	8 TOPs	Battery technology	Lithium Polymer (LiPo)
Memory		Number of battery cells	6
Internal memory *	32 GB	Battery capacity *	83 Wh
Internal memory type	DDR5-SDRAM	Fast charging	✓
Memory clock speed	5600 MHz	Fast charging time (50%)	30 min
Memory form factor	SO-DIMM	Power	
Memory layout (slots x size)	1 x 32 GB	AC adapter power	150 W
Memory slots	2x SO-DIMM	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Memory channels	Dual-channel	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Password protection	✓
Total SSDs capacity	1 TB	Password protection type	BIOS, Power on
Number of SSDs installed	1	Sustainability	
SSD capacity	1 TB	Sustainability compliance	✓
SSD memory type	TLC	Sustainability certificates	ENERGY STAR, TCO, TCO10
SSD interface	PCI Express 4.0	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
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗	Weight & dimensions	
Graphics		Width	359 mm
Discrete GPU manufacturer	NVIDIA	Depth	251 mm
Discrete graphics card model *	NVIDIA RTX PRO 2000 Blackwell	Height	23 mm
Discrete graphics card memory	8 GB	Weight *	2.04 kg
Discrete graphics memory type	GDDR7	Packaging data	
On-board graphics card *	✓	Package width	552 mm
On-board GPU manufacturer	Intel	Package depth	69 mm
Discrete graphics card *	✓	Package height	345 mm
On-board graphics card family	Intel Arc Graphics	Carbon footprint	
On-board graphics card model *	Intel Arc 140T	Total carbon footprint (kg of CO2e)	294.222
Audio		Carbon emissions, manufacturing (kg of CO2e)	245.875
Built-in speaker(s)	✓	Carbon emissions, logistics (kg of CO2e)	26.428
Number of built-in speakers	2		
Built-in microphone	✓		
Number of microphones	2		
Camera			
Front camera	✓		
Front camera resolution (numeric)	5 MP		

Carbon footprint	
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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