



HP Zbook X G1i Data Science Intel Core Ultra 7 255H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver



Brand : HP

Product family: Zbook X

Product code: B72Y6ET

Product name : ZBook X G1i
Data Science

- Intel Core Ultra 7 255H (up to 5.1 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 1000 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 1000 Blackwell, WUXGA, Meteor silver, AI Workstation; AI PC



[HP Zbook X G1i Data Science Intel Core Ultra 7 255H Mobile workstation 40.6 cm \(16"\) WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 \(802.11be\) Windows 11 Pro AI Workstation, AI PC Silver:](#)

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		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 *	✗	Bluetooth	✓
HD type	WUXGA	Bluetooth version	5.4
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 *	255H	Performance	
Processor cores	16	Motherboard chipset	Intel SoC
Processor threads	16		
Processor boost frequency	5.1 GHz		
Performance cores	6		
Efficient cores	8		

Processor		Keyboard	
Low Power Efficient-cores	2	Pointing device	Clickpad
Performance-core Max Turbo Frequency	5.1 GHz	Numeric keypad *	✓
Efficient-core Max Turbo Frequency	4.4 GHz	Keyboard backlit	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Spill-resistant keyboard	✓
Performance-core base frequency	2 GHz	Software	
Efficient-core base frequency	1.5 GHz	Operating system installed *	Windows 11 Pro
Low Power Efficient-core Base Frequency	700 MHz	Processor special features	
Processor cache	24 MB	Intel® Turbo Boost Technology	✓
Processor cache type	L3	Brand-specific features	
Processor base power	28 W	HP speaker type	HP Dual Speakers
Maximum turbo power	115 W	HP Smart AC Adapter	✓
Neural processor unit (NPU)		HP Artificial Intelligence	AI Workstation, AI PC
Neural processor unit (NPU)	Intel AI Boost	HP segment	Business
Sparsity support	✓	HP GTIN (EAN/UPC)	199485881805
Windows Studio effects support	✓	Battery	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery technology	Lithium Polymer (LiPo)
Total processor performance up to	96 TOPs	Number of battery cells	6
NPU performance up to	13 TOPs	Battery capacity *	83 Wh
GPU performance up to	74 TOPs	Fast charging	✓
		Fast charging time (50%)	30 min
Memory		Power	
Internal memory *	32 GB	AC adapter power	150 W
Internal memory type	DDR5-SDRAM	AC adapter frequency	50 - 60 Hz
Memory clock speed	5600 MHz	AC adapter input voltage	100 - 240 V
Memory form factor	SO-DIMM	USB Type-C charging port *	✓
Memory layout (slots x size)	1 x 32 GB	USB Power Delivery (USB PD)	✓
Memory slots	2x SO-DIMM	Security	
Maximum internal memory *	32 GB	Password protection	✓
Memory channels	Dual-channel	Password protection type	BIOS, Power on
Storage		Sustainability	
Total storage capacity *	1 TB	Sustainability compliance	✓
Storage media *	SSD	Sustainability certificates	ENERGY STAR, TCO, TCO10
Total SSDs capacity	1 TB	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
Number of SSDs installed	1		
SSD capacity	1 TB		
SSD memory type	TLC		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Weight & dimensions	
Discrete GPU manufacturer	NVIDIA	Width	359 mm
Discrete graphics card model *	NVIDIA RTX PRO 1000 Blackwell	Depth	251 mm
Discrete graphics card memory	8 GB	Height	23 mm
Discrete graphics memory type	GDDR7	Weight *	2.04 kg
On-board graphics card *	✓	Packaging data	
On-board GPU manufacturer	Intel	Package width	552 mm
Discrete graphics card *	✓	Package depth	69 mm
On-board graphics card family	Intel Arc Graphics	Package height	345 mm
On-board graphics card model *	Intel Arc 140T	Carbon footprint	
Audio		Total carbon footprint (kg of CO2e)	294.222
Built-in speaker(s)	✓	Carbon emissions, manufacturing (kg of CO2e)	245.875
Number of built-in speakers	2	Carbon emissions, logistics (kg of CO2e)	26.428
Built-in microphone	✓		
Number of microphones	2		

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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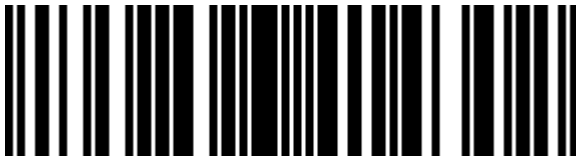
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