



HP Z2 Tower G1i Intel Core Ultra 9 285K 64 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 4000 Ada Windows 11 Pro Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76S1ET

Product name : Z2 Tower G1i

- Intel Core™ Ultra 9 285K (up to 5.7 GHz with Intel Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)
 - Windows 11 Pro
 - NVIDIA RTX™ 4000 Ada Generation (20 GB GDDR6 dedicated)
 - 64 GB DDR5-5600 MT/s non-ECC (2 x 32 GB), 1 TB HP Z Turbo Drive PCIe Gen4 TLC M.2 SSD
- Z2 Tower G1i Workstation Desktop PC, Windows 11 Pro, Intel Core™ Ultra 9, 64GB RAM, 1TB SSD, RTX™ 4000 Ada, Black, AI Workstation; AI PC

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Mainstream workstation performance—reimagined

Experience new levels of performance for professional workflows. The HP Z2 Tower AI workstation is reengineered to support high-end graphics and seamlessly run both single and multi-threaded apps for fast modeling, simulation, and rendering. Enjoy easy expandability to upgrade, when needs evolve.

Processor		Network	
Processor manufacturer *	Intel	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor family *	Intel Core Ultra 9	WLAN controller manufacturer	Intel
Processor generation	Intel Core Ultra (Series 2)	WLAN controller model	Intel Wi-Fi 7 BE200
Processor model *	285K	Antenna type	2x2
Processor cores	24	Bluetooth	✓
Processor threads	24	Bluetooth version	5.4
Processor boost frequency	5.7 GHz	Ports & interfaces	
Performance cores	8	USB 2.0 ports quantity *	3
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Performance-core Max Turbo Frequency	5.5 GHz	USB 3.2 Gen 2x2 Type-C ports quantity	2
Efficient-core Max Turbo Frequency	4.6 GHz	DisplayPorts quantity	2
Performance-core base frequency	3.7 GHz	DisplayPort version	1.4
Efficient-core base frequency	3.2 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	Combo headphone/mic port	✓
Processor cache type	L3	Line-out	✓
Processor base power	125 W	Line-in	✓
Maximum turbo power	250 W	Microphone in	✓
Neural processor unit (NPU)		Expansion slots	
Neural processor unit (NPU)	Intel AI Boost	Number of 3.5" bays	1
Sparsity support	✓	Power	
Windows Studio effects support	✓	Power supply *	700 W
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Power supply input voltage	100 - 240 V
Total processor performance up to	36 TOPs	Power supply input frequency	50 - 60 Hz
NPU performance up to	13 TOPs	Design	
GPU performance up to	8 TOPs	Chassis type *	Tower
Memory		Colour name	Black
Internal memory *	64 GB	Placement supported	Vertical
Maximum internal memory *	64 GB	Number of 5.25" bays	1
Internal memory type	DDR5-SDRAM		

Memory		Design	
Memory layout (slots x size)	2 x 32 GB	Product colour *	Black
Memory slots	3x DIMM	Intel® vPro™ Platform Eligibility	✗
Memory clock speed	5600 MHz	Country of origin	Czech Republic
Memory module type	UDIMM	Software	
Non-ECC	✓	Operating system installed *	Windows 11 Pro
Memory data transfer rate	5600 MT/s	Processor special features	
Storage		Intel® Turbo Boost Technology	✓
Total storage capacity *	1 TB	Display	
Storage media *	SSD	Display included *	✗
Optical drive type *	✗	Brand-specific features	
Number of storage drives installed	1	HP Support Assistant	✓
Total SSDs capacity	1 TB	HP Artificial Intelligence	AI Workstation, AI PC
Number of SSDs installed	1	HP GTIN (EAN/UPC)	199485052915
SSD capacity	1 TB	HP segment	Business
SSD memory type	TLC	Audio	
SSD interface	PCI Express 4.0	Audio chip	Realtek ALC3205
NVMe	✓	Weight & dimensions	
SSD form factor	M.2	Width *	175 mm
Graphics		Depth *	426 mm
Discrete graphics card *	✓	Height *	175 mm
Discrete GPU manufacturer	NVIDIA	Weight *	8.6 kg
On-board graphics card *	✓	Packaging data	
Discrete graphics card model *	NVIDIA RTX 4000 Ada	Package width	590 mm
Discrete graphics card memory	20 GB	Package depth	490 mm
Discrete graphics memory type	GDDR6	Package height	295 mm
Number of discrete graphics cards	1	Package weight	12.5 kg
On-board GPU manufacturer	Intel	Packaging content	
On-board graphics card family	Intel® Graphics	Mouse included	✓
On-board graphics card model *	Intel® Graphics	Mouse connectivity	Wired
Performance		Keyboard included	✓
Market positioning	Performance	Numeric keypad	✗
Motherboard chipset	Intel W880	Input device model	HP Wired 320M Mouse
Password protection	✓	Sustainability	
Password protection type	BIOS, Power on	Sustainability compliance	✓
Product type *	Workstation	Sustainability certificates	ENERGY STAR, TCO, TCO10
Network		Low halogen; Bulk packaging available; 10% ITE-derived closed loop plastic; 25% ocean-bound plastic in system fans; Product Carbon Footprint; Contains at least 60% post-consumer recycled plastic; System has a QR code enabled experience where the user has access to a product portal - beginning December 2025, this is complete with product feature highlights, sustainability information, getting started guides, and direct setup and support options; New Energy Consumption dashboard available to customers providing timely carbon usage including recommended actions users can take to decrease carbon footprint	
Ethernet LAN *	✓	Sustainable technologies and materials	
Ethernet LAN data rates	10,100,1000 Mbit/s		
Cabling technology	10/100/1000Base-T(X)		
Wi-Fi *	✓		
Top Wi-Fi standard	Wi-Fi 7 (802.11be)		
		Logistics data	
		Harmonized System (HS) code	8471500000

Supplier features	
Manufacturer warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Support service included	HP 3y Onsite Low End Workstation HW Supp. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-6385EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf

Keyboard	
Keyboard connectivity	Wired

Other features	
UNSPSC-code	43211515



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