



HP Z2 Tower G1i Intel Core Ultra 9 285 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76RTET

Product name : Z2 Tower G1i

- Intel Core™ Ultra 9 285 (up to 5.6 GHz with Intel Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)
 - Windows 11 Pro
 - Intel Graphics
 - 32 GB DDR5-5600 MT/s (1 x 32 GB), 1 TB PCIe Gen4 M.2 SSD
- Z2 Tower G1i Workstation Desktop PC, Windows 11 Pro, Intel Core™ Ultra 9, 32GB RAM, 1TB SSD, Black, AI Workstation; AI PC

[HP Z2 Tower G1i Intel Core Ultra 9 285 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Workstation AI Workstation, AI PC Black:](#)

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	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	285	USB 2.0 ports quantity *	3
Processor cores	24	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Processor threads	24	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor boost frequency	5.6 GHz	DisplayPorts quantity	2
Performance cores	8	DisplayPort version	1.4
Efficient cores	16	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.4 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Line-out	✓
Performance-core base frequency	2.5 GHz	Line-in	✓
Efficient-core base frequency	1.9 GHz	Microphone in	✓
Processor cache	36 MB	Expansion slots	
Processor cache type	L3	Number of 3.5" bays	1
Processor base power	65 W	Power	
Maximum turbo power	182 W	Power supply *	700 W
Neural processor unit (NPU)		Power supply input voltage	100 - 240 V
Neural processor unit (NPU)	Intel AI Boost	Power supply input frequency	50 - 60 Hz
Sparsity support	✓	Design	
Windows Studio effects support	✓	Chassis type *	Tower
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Colour name	Black
Total processor performance up to	36 TOPs	Placement supported	Vertical
NPU performance up to	13 TOPs	Number of 5.25" bays	1
GPU performance up to	8 TOPs	Product colour *	Black
Memory		Intel® vPro™ Platform Eligibility	✗
Internal memory *	32 GB	Country of origin	Czech Republic
Maximum internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		

Memory		Software	
Memory layout (slots x size)	1 x 32 GB	Operating system installed *	Windows 11 Pro
Memory slots	3x DIMM	Processor special features	
Memory clock speed	5600 MHz	Intel® Turbo Boost Technology	✓
Memory module type	UDIMM	Display	
Non-ECC	✓	Display included *	✗
Memory data transfer rate	5600 MT/s	Brand-specific features	
Storage		HP Support Assistant	✓
Total storage capacity *	1 TB	HP Artificial Intelligence	AI Workstation, AI PC
Storage media *	SSD	HP GTIN (EAN/UPC)	199485052106
Optical drive type *	✗	HP segment	Business
Number of storage drives installed	1	Audio	
Total SSDs capacity	1 TB	Audio chip	Realtek ALC3205
Number of SSDs installed	1	Weight & dimensions	
SSD capacity	1 TB	Width *	175 mm
SSD interface	PCI Express 4.0	Depth *	426 mm
NVMe	✓	Height *	175 mm
SSD form factor	M.2	Weight *	8.6 kg
Graphics		Packaging data	
Discrete graphics card *	✗	Package width	590 mm
On-board graphics card *	✓	Package depth	490 mm
Discrete graphics card model *	Not available	Package height	295 mm
On-board GPU manufacturer	Intel	Package weight	12.5 kg
On-board graphics card family	Intel® Graphics	Packaging content	
On-board graphics card model *	Intel® Graphics	Mouse included	✓
Performance		Mouse connectivity	Wired
Market positioning	Performance	Keyboard included	✓
Motherboard chipset	Intel W880	Numeric keypad	✗
Password protection	✓	Input device model	HP Wired 320M Mouse
Password protection type	BIOS, Power on	Sustainability	
Product type *	Workstation	Sustainability compliance	✓
Network		Sustainability certificates	ENERGY STAR, TCO, TCO10
Ethernet LAN *	✓	Sustainable technologies and materials 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 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)		
Wi-Fi standards	Wi-Fi 7 (802.11be)		
WLAN controller manufacturer	Intel		
WLAN controller model	Intel Wi-Fi 7 BE200		
Antenna type	2x2		
Logistics data		Harmonized System (HS) code	8471500000
Supplier features		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.	
Manufacturer warranty	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		
Support service included			

Keyboard

Keyboard connectivity	Wired
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Other features

UNSPSC-code	43211515
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