



HP Z2 Tower G1i Intel Core Ultra 7 265 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A400 Windows 11 Pro Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76RRET

Product name : Z2 Tower G1i

- Intel Core™ Ultra 7 265 (up to 5.3 GHz with Intel Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)
 - Windows 11 Pro
 - NVIDIA RTX™ A400 (4 GB GDDR6 dedicated)
 - 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 7, 32GB RAM, 1TB SSD, RTX™ A400, 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	WLAN controller manufacturer	Intel
Processor family *	Intel Core Ultra 7	WLAN controller model	Intel Wi-Fi 7 BE200
Processor generation	Intel Core Ultra (Series 2)	Antenna type	2x2
Processor model *	265	Bluetooth	✓
Processor cores	20	Bluetooth version	5.4
Processor threads	20	Ports & interfaces	
Processor boost frequency	5.3 GHz	USB 2.0 ports quantity *	3
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Efficient cores	12	USB 3.2 Gen 2x2 Type-C ports quantity	2
Performance-core Max Turbo Frequency	5.2 GHz	DisplayPorts quantity	2
Efficient-core Max Turbo Frequency	4.6 GHz	DisplayPort version	1.4
Performance-core base frequency	2.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core base frequency	1.8 GHz	Combo headphone/mic port	✓
Processor cache	30 MB	Line-out	✓
Processor cache type	L3	Line-in	✓
Processor base power	65 W	Microphone in	✓
Maximum turbo power	182 W	Expansion slots	
Neural processor unit (NPU)		Number of 3.5" bays	1
Neural processor unit (NPU)	Intel AI Boost	Power	
Sparsity support	✓	Power supply *	500 W
Windows Studio effects support	✓	Power supply input voltage	100 - 240 V
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Power supply input frequency	50 - 60 Hz
Total processor performance up to	33 TOPs	Design	
NPU performance up to	13 TOPs	Chassis type *	Tower
GPU performance up to	8 TOPs	Colour name	Black
Memory		Placement supported	Vertical
Internal memory *	32 GB	Number of 5.25" bays	1
Maximum internal memory *	32 GB	Product colour *	Black
Internal memory type	DDR5-SDRAM		

Memory		Design	
Memory layout (slots x size)	1 x 32 GB	Intel® vPro™ Platform Eligibility	✗
Memory slots	3x DIMM	Country of origin	Czech Republic
Memory clock speed	5600 MHz	Software	
Memory module type	UDIMM	Operating system installed *	Windows 11 Pro
Non-ECC	✓	Processor special features	
Memory data transfer rate	5600 MT/s	Intel® Turbo Boost Technology	✓
Storage		Display	
Total storage capacity *	1 TB	Display included *	✗
Storage media *	SSD	Brand-specific features	
Optical drive type *	✗	HP Support Assistant	✓
Number of storage drives installed	1	HP Artificial Intelligence	AI Workstation, AI PC
Total SSDs capacity	1 TB	HP GTIN (EAN/UPC)	199485052120
Number of SSDs installed	1	HP segment	Business
SSD capacity	1 TB	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 A400	Package width	590 mm
Discrete graphics card memory	4 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	Logistics data	
Cabling technology	10/100/1000Base-T(X)	Harmonized System (HS) code	8471500000
Wi-Fi *	✓	Supplier features	
Top Wi-Fi standard	Wi-Fi 7 (802.11be)	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.
Wi-Fi standards	Wi-Fi 7 (802.11be)		

Supplier features

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
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Keyboard

Keyboard connectivity	Wired
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Other features

UNSPSC-code	43211515
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