



# HP Z2 Tower G1i Intel Core Ultra 7 265K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Windows 11 Pro Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76RYET

Product name : Z2 Tower G1i

- Intel Core™ Ultra 7 265K (up to 5.5 GHz with Intel Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)
  - Windows 11 Pro
  - NVIDIA RTX™ 2000 Ada Generation (16 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, NVIDIA RTX™ 2000 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	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 *	265K	Bluetooth	✓
Processor cores	20	Bluetooth version	5.4
Processor threads	20	Ports & interfaces	
Processor boost frequency	5.5 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	5.4 GHz	DisplayPorts quantity	2
Efficient-core Max Turbo Frequency	4.6 GHz	DisplayPort version	1.4
Performance-core base frequency	3.9 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core base frequency	3.3 GHz	Combo headphone/mic port	✓
Processor cache	30 MB	Line-out	✓
Processor cache type	L3	Line-in	✓
Processor base power	125 W	Microphone in	✓
Maximum turbo power	250 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 *	700 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		

<b>Memory</b>		<b>Design</b>	
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	<b>Software</b>	
Memory module type	UDIMM	Operating system installed *	Windows 11 Pro
Non-ECC	✓	<b>Processor special features</b>	
Memory data transfer rate	5600 MT/s	Intel® Turbo Boost Technology	✓
<b>Storage</b>		<b>Display</b>	
Total storage capacity *	1 TB	Display included *	✗
Storage media *	SSD	<b>Brand-specific features</b>	
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)	199485052946
Number of SSDs installed	1	HP segment	Business
SSD capacity	1 TB	<b>Audio</b>	
SSD interface	PCI Express 4.0	Audio chip	Realtek ALC3205
NVMe	✓	<b>Weight &amp; dimensions</b>	
SSD form factor	M.2	Width *	175 mm
<b>Graphics</b>		Depth *	426 mm
Discrete graphics card *	✓	Height *	175 mm
Discrete GPU manufacturer	NVIDIA	Weight *	8.6 kg
On-board graphics card *	✓	<b>Packaging data</b>	
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Package width	590 mm
Discrete graphics card memory	16 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	<b>Packaging content</b>	
On-board graphics card family	Intel® Graphics	Mouse included	✓
On-board graphics card model *	Intel® Graphics	Mouse connectivity	Wired
<b>Performance</b>		Keyboard included	✓
Market positioning	Performance	Numeric keypad	✗
Motherboard chipset	Intel W880	Input device model	HP Wired 320M Mouse
Password protection	✓	<b>Sustainability</b>	
Password protection type	BIOS, Power on	Sustainability compliance	✓
Product type *	Workstation	Sustainability certificates	ENERGY STAR, TCO, TCO10
<b>Network</b>		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 *	✓	<b>Sustainable technologies and materials</b>	
Ethernet LAN data rates	10,100,1000 Mbit/s	<b>Logistics data</b>	
Cabling technology	10/100/1000Base-T(X)	Harmonized System (HS) code	8471500000
Wi-Fi *	✓	<b>Supplier features</b>	
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 <a href="https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-6385EEE">https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-6385EEE</a> & <a href="https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf">https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf</a>
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**Keyboard**

Keyboard connectivity	Wired
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**Other features**

UNSPSC-code	43211515
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