



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



Brand : HP

Product family: Z2

Product code: B76QYET

Product name : Z2 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 NVMe™ M.2 SSD
- Z2 SFF G1i Workstation Desktop PC, Windows 11 Pro, Intel Core™ Ultra 7, 32GB RAM, 1TB SSD, NVIDIA RTX™ A400, Black, AI Workstation; AI PC

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Tower power at a third of the size.

Re-engineered to get all the power of a full-size tower at a fraction of the size. The Z2 SFF AI workstation delivers high performance for intensive workflows—from 3D design to real time ray tracing—now and in the future. When demands change, you have the impressive ability to upgrade and expand.

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 3.2 Gen 1 (3.1 Gen 1) Type-A 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)		PCI Express x16 (Gen 5.x) slots	1
Neural processor unit (NPU)	Intel AI Boost	Power	
Sparsity support	✓	Power supply *	400 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 *	SFF
GPU performance up to	8 TOPs	Colour name	Black
Memory		Product colour *	Black
Internal memory *	32 GB	Intel® vPro™ Platform Eligibility	✗
Maximum internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		

Memory		Design	
Memory layout (slots x size)	1 x 32 GB	Country of origin	Czech Republic
Memory slots	4x DIMM	Software	
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Pro
Memory module type	UDIMM	Processor special features	
Non-ECC	✓	Intel® Turbo Boost Technology	✓
Storage		Display	
Total storage capacity *	1 TB	Display included *	✗
Storage media *	SSD	Brand-specific features	
Optical drive type *	✗	HP Artificial Intelligence	AI Workstation, AI PC
Number of storage drives installed	1	HP GTIN (EAN/UPC)	199485051987
Total SSDs capacity	1 TB	HP segment	Business
Number of SSDs installed	1	Audio	
SSD capacity	1 TB	Audio chip	Realtek ALC3252
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width *	100 mm
SSD form factor	M.2	Depth *	308 mm
Graphics		Height *	100 mm
Discrete graphics card *	✓	Weight *	4 kg
Discrete GPU manufacturer	NVIDIA	Packaging data	
On-board graphics card *	✓	Package width	499 mm
Discrete graphics card model *	NVIDIA RTX A400	Package depth	200 mm
Discrete graphics card memory	4 GB	Package height	394 mm
Discrete graphics memory type	GDDR6	Package weight	6.5 kg
Number of discrete graphics cards	1	Packaging content	
On-board GPU manufacturer	Intel	Mouse included	✓
On-board graphics card family	Intel® Graphics	Mouse connectivity	Wired
On-board graphics card model *	Intel® Graphics	Keyboard included	✓
Performance		Numeric keypad	✗
Market positioning	Performance	Input device model	HP Wired 320M Mouse
Motherboard chipset	Intel W880	Sustainability	
Password protection	✓	Sustainability compliance	✓
Password protection type	BIOS, Power on	Sustainability certificates	ENERGY STAR, EPEAT, TCO10
Product type *	Workstation	Sustainable technologies and materials	
Network			
Ethernet LAN *	✓	Low halogen; 10% ITE-derived closed loop plastic; 80 Plus Platinum power supplies available; Product Carbon Footprint; Contains at least 20% post-industrial recycled steel; At least 25% ocean-bound plastic in system fans; 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)	Logistics data	
Wi-Fi standards	Wi-Fi 7 (802.11be)	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
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Other features

UNSPSC-code	43211515
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