



HP Z2 Mini G1i Intel Core Ultra 9 285K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Windows 11 Pro Mini PC Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76RHET

Product name : Z2 Mini 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™ 2000 Ada Generation (16 GB GDDR6 dedicated)
- 32 GB DDR5-6400 MT/s (1 x 32 GB), 1 TB PCIe Gen4 NVMe™ M.2 SSD
- Z2 Mini G1i Workstation Desktop PC, Windows 11 Pro, Intel Core™ Ultra 9, 32GB RAM, 1TB SSD, RTX™ 2000 Ada, Black, AI Workstation; AI PC

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Powers large workflows. Fits a tiny space.

Get incredible high performance packed into an insanely petite Z2 Mini G1i AI workstation to tackle 3D design, real-time rendering, and basic model development. Fitting on a desk or behind a monitor, conveniently access ports. When your demands change, you have impressive expandability to upgrade.

Processor		Network	
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor family *	Intel Core Ultra 9	Cabling technology	10/100/1000Base-T(X)
Processor generation	Intel Core Ultra (Series 2)	Wi-Fi *	✓
Processor model *	285K	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Processor cores	24	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor threads	24	WLAN controller manufacturer	Intel
Processor boost frequency	5.7 GHz	WLAN controller model	Intel Wi-Fi 7 BE200
Performance cores	8	Antenna type	2x2
Efficient cores	16	Bluetooth	✓
Performance-core Max Turbo Frequency	5.5 GHz	Bluetooth version	5.4
Efficient-core Max Turbo Frequency	4.6 GHz	Ports & interfaces	
Performance-core base frequency	3.7 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Efficient-core base frequency	3.2 GHz	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor cache	36 MB	DisplayPorts quantity	2
Processor cache type	L3	DisplayPort version	1.4
Processor base power	125 W	Ethernet LAN (RJ-45) ports	1
Maximum turbo power	250 W	Microphone in	✓
Neural processor unit (NPU)		Power	
Neural processor unit (NPU)	Intel AI Boost	Power supply *	280 W
Sparsity support	✓	Power supply input voltage	100 - 240 V
Windows Studio effects support	✓	Power supply input frequency	50 - 60 Hz
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Design	
Total processor performance up to	36 TOPs	Chassis type *	Mini PC
NPU performance up to	13 TOPs	Colour name	Black
GPU performance up to	8 TOPs	Product colour *	Black
Memory		Intel® vPro™ Platform Eligibility	✗
Internal memory *	32 GB	Introduction year	2025
Maximum internal memory *	32 GB	Country of origin	China
Internal memory type	DDR5-SDRAM		

Memory		Software	
Memory layout (slots x size)	1 x 32 GB	Operating system installed *	Windows 11 Pro
Memory slots	2x SO-DIMM	Processor special features	
Memory clock speed	6400 MHz	Intel® Turbo Boost Technology	✓
Memory module type	SODIMM	Display	
Non-ECC	✓	Display included *	✗
Storage		Brand-specific features	
Total storage capacity *	1 TB	HP Artificial Intelligence	AI Workstation, AI PC
Storage media *	SSD	HP GTIN (EAN/UPC)	199485052014
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 *	211 mm
SSD interface	PCI Express 4.0	Depth *	218 mm
NVMe	✓	Height *	211 mm
SSD form factor	M.2	Weight *	2.4 kg
Graphics		Packaging data	
Discrete graphics card *	✓	Package width	499 mm
Discrete GPU manufacturer	NVIDIA	Package depth	169 mm
On-board graphics card *	✓	Package height	297 mm
Discrete graphics card model *	NVIDIA RTX 2000 Ada	Package weight	5.4 kg
Discrete graphics card memory	16 GB	Packaging content	
Discrete graphics memory type	GDDR6	Keyboard included	✓
Number of discrete graphics cards	1	Numeric keypad	✗
On-board GPU manufacturer	Intel	Input device model	HP Wired 320M Mouse
On-board graphics card family	Intel® Graphics	Sustainability	
On-board graphics card model *	Intel® Graphics	Sustainability compliance	✓
Performance		Sustainability certificates	ENERGY STAR, TCO, TCO10
Market positioning	Performance	<p>Low halogen; Bulk packaging available; 10% ITE-derived closed loop plastic; 25% ocean-bound plastic in system fans; Product Carbon Footprint; Contains at least 65% 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</p>	
Motherboard chipset	Intel W880		
Password protection	✓		
Password protection type	BIOS, Power on		
Product type *	Workstation	Sustainable technologies and materials	
Network		Logistics data	
Ethernet LAN *	✓	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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