



HP Z2 Mini G1i Wolf Pro Security Edition Intel Core Ultra 7 265K 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: A40THET#ABH

Product name : Z2 Mini G1i
Wolf Pro Security Edition

HP Z2 Mini G1i Wolf Pro Security Edition. Processor frequency: 3.9 GHz, Processor family: Intel Core Ultra 7, Processor model: 265K. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 6400 MHz. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 280 W. Chassis type: Mini PC. Product type: Workstation



Processor		Performance	
Processor manufacturer *	Intel	Market positioning	Performance
Processor family *	Intel Core Ultra 7	Motherboard chipset	Intel W880
Processor generation	Intel Core Ultra (Series 2)	Password protection	✓
Processor model *	265K	Password protection type	BIOS, Power on
Processor cores	20	Product type *	Workstation
Processor threads	20	Network	
Processor boost frequency	5.5 GHz	Ethernet LAN *	✓
Processor frequency *	3.9 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Performance cores	8	Cabling technology	10/100/1000Base-T(X)
Efficient cores	12	Wi-Fi *	✗
Performance-core Max Turbo Frequency	5.4 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	4.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Performance-core base frequency	3.9 GHz	USB 3.2 Gen 2x2 Type-C ports quantity	2
Efficient-core base frequency	3.3 GHz	DisplayPorts quantity	2
Processor cache	30 MB	DisplayPort version	1.4
Processor cache type	L3	Ethernet LAN (RJ-45) ports	1
Processor base power	125 W	Combo headphone/mic port	✓
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	✓	Design	
Windows Studio effects support	✓	Chassis type *	Mini PC
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Colour name	Black
Total processor performance up to	33 TOPs	Product colour *	Black
NPU performance up to	13 TOPs	Country of origin	China
GPU performance up to	8 TOPs	Software	
Memory		Operating system architecture	64-bit
Internal memory *	32 GB		
Maximum internal memory *	32 GB		

Memory		Software	
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Pro
Memory layout (slots x size)	1 x 32 GB	Bundled software	HP Wolf Pro Security Edition
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 *	✗
Memory data transfer rate	6400 MT/s	Brand-specific features	
Storage		HP Support Assistant	✓
Total storage capacity *	1 TB	HP Documentation	✓
Storage media *	SSD	HP Artificial Intelligence	AI Workstation, AI PC
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	Certificates	
On-board graphics card model *	Intel® Graphics	Low halogen	✓
		Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
		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 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
		Keyboard	
		Keyboard connectivity	Wired
		Keyboard layout	QWERTY
		Other features	
		UNSPSC-code	43211515



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