



HP Z2 Mini G1a Wolf Pro Security Edition Copilot+ PC AMD Ryzen AI Max+ PRO PRO 395 128 GB LPDDR5x-SDRAM 2 TB SSD Windows 11 Pro Mini PC Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: A40Q7ET

Product name : Z2 Mini G1a
Wolf Pro Security Edition

HP Z2 Mini G1a Wolf Pro Security Edition. Processor frequency: 3 GHz, Processor family: AMD Ryzen AI Max+ PRO, Processor model: PRO 395. Internal memory: 128 GB, Internal memory type: LPDDR5x-SDRAM, Memory clock speed: 8533 MHz. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 8060S. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 300 W. Chassis type: Mini PC. Product type: Workstation. Product colour: Black

Processor		Ports & interfaces	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor family *	AMD Ryzen AI Max+ PRO	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Processor generation	AMD Ryzen AI Max PRO 300 Series	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor model *	PRO 395	USB Power Delivery (USB PD)	✓
Processor cores	16	USB4 Gen 3x2 ports quantity	2
Processor threads	32	USB Type-C DisplayPort Alternate Mode	✓
Processor boost frequency	5.1 GHz	Intel® Thunderbolt 4	✓
Processor frequency *	3 GHz	Thunderbolt 4 ports quantity	2
Processor cache	64 MB	Ethernet LAN (RJ-45) ports	1
Processor cache type	L3	Combo headphone/mic port	✓
Neural processor unit (NPU)		Microphone in	✓
Copilot+ PC	✓	Mini DisplayPorts quantity	2
Neural processor unit (NPU)	AMD Ryzen AI	Power	
NPU performance up to	50 TOPs	Power supply *	300 W
Memory		Power supply input voltage	100 - 240 V
Internal memory *	128 GB	Power supply input frequency	50/60 Hz
Maximum internal memory *	128 GB	Design	
Internal memory type	LPDDR5x-SDRAM	Chassis type *	Mini PC
Memory clock speed	8533 MHz	Colour name	Jet black
Storage		Product colour *	Black
Total storage capacity *	2 TB	Country of origin	China, Mexico
Storage media *	SSD	Software	
Optical drive type *	✗	Operating system architecture	64-bit
Number of storage drives installed	1	Operating system installed *	Windows 11 Pro
Total SSDs capacity	2 TB	Display	
Number of SSDs installed	2	Display included *	✗
SSD capacity	1 TB		
SSD memory type	TLC		
SSD interface	PCI Express 4.0		
NVMe	✓		

Storage		Brand-specific features	
SSD form factor	M.2	HP Artificial Intelligence	AI Workstation, AI PC
Graphics		HP segment	Business
Discrete graphics card *	✗	Audio	
On-board graphics card *	✓	Audio chip	Realtek ALC3205-VA2-CG
Discrete graphics card model *	Not available	Number of speakers	1
On-board GPU manufacturer	AMD	Weight & dimensions	
On-board graphics card family	AMD Radeon Graphics	Width *	85.5 mm
On-board graphics card model *	AMD Radeon 8060S	Depth *	168 mm
Performance		Height *	85.5 mm
Market positioning	Performance	Weight *	2.3 kg
Password protection	✓	Packaging data	
Password protection type	BIOS, Power on	Package width	499 mm
Product type *	Workstation	Package depth	185 mm
Built-in speaker(s)	✓	Package height	298 mm
Network		Package weight	4.1 kg
Ethernet LAN *	✓	Packaging content	
Ethernet LAN data rates	10,100,1000 Mbit/s	Keyboard included	✓
Cabling technology	10/100/1000Base-T(X)	Numeric keypad	✗
Wi-Fi *	✓	Input device model	HP Wired 320M Mouse
Top Wi-Fi standard	Wi-Fi 7 (802.11be)	Certificates	
Wi-Fi standards	Wi-Fi 7 (802.11be)	Low halogen	✓
WLAN controller manufacturer	MediaTek	Sustainability	
WLAN controller model	MediaTek MT7925	Sustainability compliance	✓
Antenna type	2x2	Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
Bluetooth	✓	Sustainable technologies and materials	Bulk packaging available; 10% ITE-derived closed loop plastic; Product Carbon Footprint; Contains at least 65% post-consumer recycled plastic; Contains at least 20% post-industrial recycled steel; 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
Bluetooth version	5.4		
Ports & interfaces		Keyboard	
USB 2.0 ports quantity *	2	Keyboard connectivity	Wired
		Other features	
		UNSPSC-code	43211515



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