



HP Z2 Mini G1a Copilot+ PC AMD Ryzen AI Max+ PRO PRO 395 64 GB LPDDR5x-SDRAM 1 TB SSD Windows 11 Pro Mini PC Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: A40PZET

Product name : Z2 Mini G1a

- AMD Ryzen™ AI Max+ PRO 395 (up to 5.1 GHz max boost clock, 64 MB L3 cache, 16 cores, 32 threads)
 - Windows 11 Pro
 - AMD Radeon™ 8060S Graphics
 - 64 GB LPDDR5x-8533 MT/s (onboard), 1 TB PCIe Gen4 NVMe™ TLC M.2 SSD
- Z2 Mini G1a Workstation Desktop PC, Windows 11 Pro, AMD Ryzen™ AI Max+ PRO, 64GB RAM, 1TB SSD, Jet black, AI Workstation; AI PC; Copilot+ PC

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Mini workstation. Transformative AI performance.

Unlock workflows previously not possible on a mini workstation. Transformative performance is packed into a compact Next Gen AI PC to take on complex AI accelerated projects like never before—simultaneously 3D design and render graphics-intensive projects or work locally with LLMs.

Processor		Ports & interfaces	
Processor manufacturer *	AMD	Microphone in	✓
Processor family *	AMD Ryzen AI Max+ PRO	Mini DisplayPorts quantity	2
Processor generation	AMD Ryzen AI Max PRO 300 Series	Power	
Processor model *	PRO 395	Power supply *	300 W
Processor cores	16	Design	
Processor threads	32	Chassis type *	Mini PC
Processor boost frequency	5.1 GHz	Colour name	Jet black
Processor frequency *	3 GHz	Product colour *	Black
Processor cache	64 MB	Introduction year	2025
Processor cache type	L3	Country of origin	China, Mexico
Neural processor unit (NPU)		Software	
Copilot+ PC	✓	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	AMD Ryzen AI	Display	
Total processor performance up to	126 TOPs	Display included *	✗
NPU performance up to	50 TOPs	Brand-specific features	
Memory		HP Artificial Intelligence	AI Workstation, AI PC
Internal memory *	64 GB	HP GTIN (EAN/UPC)	199251646836
Maximum internal memory *	64 GB	HP segment	Business
Internal memory type	LPDDR5x-SDRAM	Audio	
Memory clock speed	8533 MHz	Audio chip	Realtek ALC3205-VA2-CG
Memory data transfer rate	8533 MT/s	Number of speakers	1
Storage		Weight & dimensions	
Total storage capacity *	1 TB	Width *	85.5 mm
Storage media *	SSD	Depth *	168 mm
Optical drive type *	✗	Height *	85.5 mm
Number of storage drives installed	1	Weight *	2.3 kg
Total SSDs capacity	1 TB	Packaging data	
Number of SSDs installed	1	Package width	499 mm
SSD capacity	1 TB		
SSD memory type	TLC		

Storage		Packaging data	
SSD interface	PCI Express 4.0	Package depth	185 mm
NVMe	✓	Package height	298 mm
SSD form factor	M.2	Package weight	4.1 kg
Graphics		Packaging content	
Discrete graphics card *	✗	Mouse included	✓
On-board graphics card *	✓	Mouse connectivity	Wired
Discrete graphics card model *	Not available	Keyboard included	✓
On-board GPU manufacturer	AMD	Numeric keypad	✗
On-board graphics card family	AMD Radeon Graphics	Input device model	HP Wired 320M Mouse
On-board graphics card model *	AMD Radeon 8060S	Certificates	
Performance		Low halogen	✓
Market positioning	Performance	Sustainability	
Password protection	✓	Sustainability compliance	✓
Password protection type	BIOS, Power on	Sustainability certificates	ENERGY STAR, EPEAT, TCO, TCO10
Product type *	Workstation	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	
Built-in speaker(s)	✓		
Network		Sustainable technologies and materials	
Ethernet LAN *	✓	Logistics data	
Ethernet LAN data rates	10,100,1000 Mbit/s	Harmonized System (HS) code	8471500000
Cabling technology	10/100/1000Base-T(X)	Supplier features	
Wi-Fi *	✗	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.
Ports & interfaces		Support service included	HP 3y Onsite w/DMR Low End Workstation Supp. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA8-2300EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf
USB 2.0 ports quantity *	2	Carbon footprint	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3	Total carbon footprint (kg of CO2e)	380
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Carbon emissions, manufacturing (kg of CO2e)	237
USB Power Delivery (USB PD)	✓	Carbon emissions, logistics (kg of CO2e)	3
USB4 Gen 3x2 ports quantity	2	Carbon emissions, end-of-life (kg of CO2e)	2
USB Type-C DisplayPort Alternate Mode	✓	Total carbon emissions, w/o use phase (kg of CO2e)	135
Intel® Thunderbolt 4	✓	Keyboard	
Thunderbolt 4 ports quantity	2	Keyboard connectivity	Wired
DisplayPort version	2.1	Other features	
Ethernet LAN (RJ-45) ports	1	UNSPSC-code	43211515
Combo headphone/mic port	✓		



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