



MSI Cubi Z AI 8M AMD Ryzen 7 8845HS, Desktop PC, SFF, Mini Computer, HTPC, (16GB RAM, 1TB Storage, Windows 11 PRO), AMD Radeon Graphics/DDR5/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

Brand : MSI **Product family:** Cubi **Product code:** CUBI Z AI 8M R7 8845HS FS 16GB 1TB W11

Product name : MSI Cubi Z AI 8M AMD Ryzen 7 8845HS, Desktop PC, SFF, Mini Computer, HTPC, (16GB RAM, 1TB Storage, Windows 11 PRO), AMD Radeon Graphics/DDR5/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

MSI Cubi Z AI 8M AMD Ryzen 7 8845HS, Desktop PC, SFF, Mini Computer, HTPC, (16GB RAM, 1TB Storage, Windows 11 PRO), AMD Radeon Graphics/DDR5/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA. Processor frequency: 3.8 GHz, Processor family: AMD Ryzen™ 7, Processor model: 8845HS. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM, Memory clock speed: 5600 MHz. Total storage capacity: 1.02 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 780M. Operating system installed: Windows 11 Pro, Operating system architecture: 64-bit. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC. Product colour: Black

Processor		Ports & interfaces	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5
Processor family *	AMD Ryzen™ 7	PowerShare	✗
Processor generation	AMD Ryzen 8000 Series	USB Type-C DisplayPort Alternate Mode	✗
Processor model *	8845HS	Intel® Thunderbolt 4	✗
Processor cores	8	Intel® Thunderbolt 5	✗
Processor threads	16	DVI port	✗
Processor boost frequency	5.1 GHz	HDMI ports quantity *	2
Processor frequency *	3.8 GHz	HDMI version	2.1
Processor cache	24 MB	Ethernet LAN (RJ-45) ports	2
Processor cache type	L2 & L3	Microphone in	✗
Number of processors installed	1	Line-out	✗
Processor base power	45 W	Line-in	✗
Maximum turbo power	54 W	Combo headphone/mic port	✓
Neural processor unit (NPU)		S/PDIF out port	✗
Neural processor unit (NPU)	AMD Ryzen AI	DC-in jack	✓
Sparsity support	✓	Number of rear USB ports	4
Windows Studio effects support	✓	Number of front USB ports	4
AI datatype support on NPU	FP16, Int8	Number of front audio ports	1
AI software frameworks supported by NPU	Onnx, Windows ML	Fiber NIC port (Flex I/O)	✗
Total processor performance up to	39 TOPs	Design	
NPU performance up to	16 TOPs	Chassis type *	Mini PC
GPU performance up to	16 TOPs	Colour name	Black
Memory		Volume	0.9 L
Internal memory *	16 GB	Placement supported	Horizontal/Vertical
Maximum internal memory *	64 GB	VESA mounting	✓
Internal memory type	DDR5-SDRAM	Water cooling system	✗
Memory layout (slots x size)	2 x 8 GB	Cable lock slot	✓
Memory slots	2x SO-DIMM	Cable lock slot type	Kensington
Memory clock speed	5600 MHz	Product colour *	Black
ECC	✗	Copilot key	✗
Non-ECC	✓		
Memory channels	Dual-channel		

Memory		Design	
Buffered memory type	Unregistered (unbuffered)	Housing material	Metal, Plastic
Memory data transfer rate	5600 MT/s	Viewing window	✗
Storage		RGB memory lighting	✗
Total storage capacity *	1.02 TB	Introduction year	2025
Storage media *	SSD	Introduction month	July
Optical drive type *	✗	Country of origin	China
Number of storage drives installed	1	Refurbished	✗
Number of storage drives supported	1	Certified refurbished	✗
Total HDDs capacity	0 GB	Performance	
Total SSDs capacity	1.02 TB	Market positioning	Business
Number of SSDs installed	1	Powered by	AMD Ryzen
SSD capacity	1.02 TB	Virtual Reality (VR) ready	✗
SSD memory type	TLC	Compatible processor series	AMD Ryzen 8000 Series
SSD interface	PCI Express 4.0	Audio chip	Realtek ALC269
NVMe	✓	Audio system	High Definition Audio
SSD form factor	M.2	Audio output channels	2.0 channels
M.2 SSD size	2280 (22 x 80 mm)	Built-in speaker(s)	✓
Card reader integrated	✗	Number of speakers	1
Compatible memory cards	Not supported	Password protection	✓
Intel® Optane™ Memory module installed	✗	Password protection type	BIOS, Power on, Supervisor
Intel® Optane™ Memory module capacity	0 GB	Fingerprint reader	✗
Graphics		BIOS type	UEFI
Discrete graphics card *	✗	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Product type *	Mini PC
On-board GPU manufacturer	AMD	Trusted Platform Module (TPM) version	2.0
On-board graphics card family	AMD Radeon	Software	
On-board graphics card model *	AMD Radeon 780M	Operating system architecture	64-bit
Maximum on-board graphics card memory	8.19 TB	Operating system language	English
On-board graphics card cores	768	Windows 11 free upgrade	✗
On-board graphics card 6K support	✓	Copilot+ PC	✗
On-board graphics card 8K support	✓	Operating system installed *	Windows 11 Pro
Number of external displays supported	4	Apple Intelligence	✗
Graphics card Open GL support	✓	Compatible operating systems	Windows 11 Pro
NVIDIA G-SYNC	✗	Drivers included	✓
NVIDIA GameWorks VR	✗	Pre-installed software	MSI Center Nahimic 3
CUDA	✗	Processor special features	
AMD FreeSync	✓	Video decode engine	✓
Ray tracing acceleration	✗	Video encode engine	✓
Graphics card HDMI ports quantity	1	Power	
Graphics card DisplayPorts quantity	1	Power supply *	120 W
Graphics card USB Type-C ports quantity	1	Power supply input voltage	100-240 V
Network		Power supply input frequency	50-60 Hz
Ethernet LAN *	✓	80 PLUS certification	No
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Operational conditions	
Cabling technology	10/100/1000Base-T(X)	Operating temperature (T-T)	0 - 35 °C
LAN controller	Dragon RTL8125BG, Realtek RTL8125B	Storage temperature (T-T)	-20 - 60 °C
Wi-Fi *	✓	Operating relative humidity (H-H)	10 - 90%
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Storage relative humidity (H-H)	5 - 95%
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Certificates	
WLAN controller manufacturer	Intel	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
WLAN controller model	Intel Wi-Fi 6E AX211	Compliance certificates	CE, Federal Communications Commission (FCC), RoHS, UL
Antenna type	2x2	Weight & dimensions	
		Width *	136 mm

Network		Weight & dimensions	
Antenna design	Internal	Depth *	132 mm
Bluetooth	✓	Height *	50.1 mm
Bluetooth version	5.3	Weight *	790 g
Bluetooth Low Energy (BLE)	✓	Package width	469 mm
Wake-on-LAN ready	✓	Package depth	221 mm
Miracast	✓	Package height	517 mm
Ports & interfaces		Package weight	2 kg
USB 2.0 ports quantity *		Packaging content	
1		Mouse included	✗
		Keyboard included	✗
		Keyboard backlit	✗
		Numeric keypad	✗
		Cables included	AC, Power
		VESA mount included	✓
		Manual	✓
		Display	
		Display included *	✗
		Other features	
		Locale	English
		Warranty period	3 year(s)



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