



MSI Cubi Z AI 8M AMD Ryzen 5 8645HS Barebone, NUC, USFF, Mini Computer, HTPC (NO RAM, NO Storage, NO OS), AMD Radeon Graphics/DDR5/Dual ThunderBolt 4/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

Brand : MSI

Product family: Cubi

Product code: CUBI Z AI 8M R5 8645HS BB

Product name : MSI Cubi Z AI 8M AMD Ryzen 5 8645HS Barebone, NUC, USFF, Mini Computer, HTPC (NO RAM, NO Storage, NO OS), AMD Radeon Graphics/DDR5/Dual ThunderBolt 4/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

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The MSI Cubi Z AI 8M combines AMD Ryzen™ 8000 Series with a built-in NPU in a compact 0.9-liter design. Features dual USB4 ports with speeds of up to 40Gbps, a 100W power delivery input, dual HDMI ports supporting up to four displays, dual 2.5G LAN ports for fast networking, a Kensington Lock for security, a built-in speaker, and a VESA mountable design.



Processor		Design	
Processor manufacturer	AMD	Product type *	Mini PC barebone
Processor family	AMD Ryzen™ 5	Performance	
Processor frequency	4.3 GHz	Motherboard chipset	AMD SoC
Built-in processor *	✓	Number of processors supported	1
Memory		Audio chip	Realtek ALC269
Internal memory installed *	✗	Software	
Memory slots type *	SO-DIMM	Windows operating systems supported	Windows 11, Windows 11 Pro
Number of memory slots *	2	Operating system installed	✗
Maximum internal memory	64 GB	Sustainability	
Storage		Sustainability certificates	Certified Enviro Cranberries (CEC), ENERGY STAR, ErP
Storage drives installed *	✗	Power	
Supported storage drive types *	SSD	Power supply type *	External AC adapter
Storage drive sizes supported *	M.2	Power supply	120 W
Graphics		Number of power supply units	1
On-board graphics card *	✗	AC input voltage	100 - 240 V
Audio		AC input frequency	50/60 Hz
Built-in speaker(s) *	✓	Operational conditions	
Number of speakers	1	Operating temperature (T-T)	0 - 35 °C
RMS rated power	2 W	Storage temperature (T-T)	-20 - 60 °C
Network		Operating relative humidity (H-H)	0 - 85%
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Storage relative humidity (H-H)	0 - 90%
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Weight & dimensions	
WLAN controller model	AMD RZ616	Width	136 mm
Ethernet LAN *	✓	Depth	132 mm
Wi-Fi *	✓		
LAN controller	Realtek RTL8125B		

Network		Weight & dimensions	
Bluetooth	✓	Height	50.1 mm
Bluetooth version	5.3	Weight	790 g
Ports & interfaces		Package width	469 mm
USB 2.0 ports quantity *	1	Package depth	221 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	5	Package height	517 mm
USB4 Gen 3x2 ports quantity	2	Package weight	2 kg
HDMI ports quantity *	2	Packaging content	
HDMI version	2.1	Power cord included	✓
Ethernet LAN (RJ-45) ports *	2	AC adapter included	✓
Expansion slots		Quick start guide	✓
Number of M.2 (M) slots	1	Drivers included	✗
Design		Display included	✗
Chassis type *	0.9L sized PC	Mouse included	✗
Product colour *	Black	Keyboard included	✗
Cooling type *	Active	Other features	
VESA mounting	✓	Country of origin	China
Panel mounting interface	100 x 100 mm	Introduction month	December
		Introduction year	2025
		Warranty period	3 year(s)



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Catalog Object Cloud



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