msi

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/Dual ThunderBolt 4/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3/VESA

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

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:

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	
Processor manufacturer	AMD
Processor family	AMD Ryzen™ 5
Processor frequency	4.3 GHz
Built-in processor *	✔

Memory	
Internal memory installed *	✘
Memory slots type *	SO-DIMM
Number of memory slots *	2
Maximum internal memory	64 GB

Storage	
Storage drives installed *	✘
Supported storage drive types *	SSD
Storage drive sizes supported *	M.2

Graphics	
On-board graphics card *	✘

Audio	
Built-in speaker(s) *	✔
Number of speakers	1
RMS rated power	2 W

Network	
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
WLAN controller model	AMD RZ616
Ethernet LAN *	✔
Wi-Fi *	✔
LAN controller	Realtek RTL8125B

Design	
Product type *	Mini PC barebone

Performance	
Motherboard chipset	AMD SoC
Number of processors supported	1
Audio chip	Realtek ALC269

Software	
Windows operating systems supported	Windows 11, Windows 11 Pro
Operating system installed	✘

Sustainability	
Sustainability certificates	Certified Enviro Cranberries (CEC), ENERGY STAR, ErP

Power	
Power supply type *	External AC adapter
Power supply	120 W
Number of power supply units	1
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz

Operational conditions	
Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	0 - 85%
Storage relative humidity (H-H)	0 - 90%

Weight & dimensions	
Width	136 mm
Depth	132 mm

Network

Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	5
USB4 Gen 3x2 ports quantity	2
HDMI ports quantity *	2
HDMI version	2.1
Ethernet LAN (RJ-45) ports *	2

Expansion slots

Number of M.2 (M) slots	1

Design

Chassis type *	0.9L sized PC
Product colour *	Black
Cooling type *	Active
VESA mounting	✔
Panel mounting interface	100 x 100 mm

Weight & dimensions

Height	50.1 mm
Weight	790 g
Package width	469 mm
Package depth	221 mm
Package height	517 mm
Package weight	2 kg

Packaging content

Power cord included	✔
AC adapter included	✔
Quick start guide	✔
Drivers included	✘
Display included	✘
Mouse included	✘
Keyboard included	✘

Other features

Country of origin	China
Introduction month	December
Introduction year	2025
Warranty period	3 year(s)

4711377371117

Catalog Object Cloud