



Coming soon

Features

- AMD EPYC Embedded 8004 series CPU
- 6x DDR5 4800 up to 768GB Supports ECC
- 5x PCI-E x16 slots
- 3x USB 3.2 Gen1: 2x USB 3.2 Gen1 with PDPC support; 1x USB 3.2 Gen1
- 4x SATA 6Gb/s
- 1x PCI-E Gen5 22110/ 2280, 2x MCIO x4
- 2x Intel® X710-AT2 (Dual 10GbE port)

Specifications

CPU Socket	AMD SP6 LGA 4844 (EPYC SP6 processors)
CPU	AMD EPYC Embedded 8004 series
PCH	N/A
Memory	Six Channel DDR5 4800, RDIMM 6 slots, up to 768GB, supports ECC 3600/4000/4400/4800MHz, 16GB, 32GB, 64GB, 96GB, 128GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	NVMe
Expansion Slots	5x PCI-E(x16) (Gen5.0), 2x PCI-E(x8) (Gen5.0)
Mini Type Slots	N/A
Graphics Controller	N/A
Video Output	1x VGA, up to 1920 x 1200 resolution
Ethernet	2x Intel® X710-AT2 (Dual 10GbE port)
I/O Chipset	TBD
Serial Port	1x External serial port (RS232)
USB 2.0	N/A
USB 3.X	4x (USB 3.2 Gen1) with PDPC
Serial ATA	4x SATA (6Gb/s)
Audio	N/A
TPM	TPM 2.0
Others	1x 24-pin SSI power connector 2x 8-pin SSI 12V power connector 1x 4-pin SSI 12V power connector 2x USB 3.2 Gen1 ports (one onboard header) 1x Type-A USB 3.2 Gen1 port 6x Fan header 4-pin (5 for system + 1 for CPU) 1x SMBus, 1x chassis intrusion, 1x front LAN LED 1x RTC battery on board
Dimensions (L x W)	eATX (30.4 cm x 24.4 cm)
Power Consumption	TBD
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	0%~90% (non-condensing @60°C)

Ordering Information

MBB1002	AMD EPYC Embedded 8004 series eATX Motherboard w/o CPU, memory, storage, supports EEC
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Dimensions and Drawing

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Single Board Computers

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CPU Modules

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Motherboards

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CPU Cards