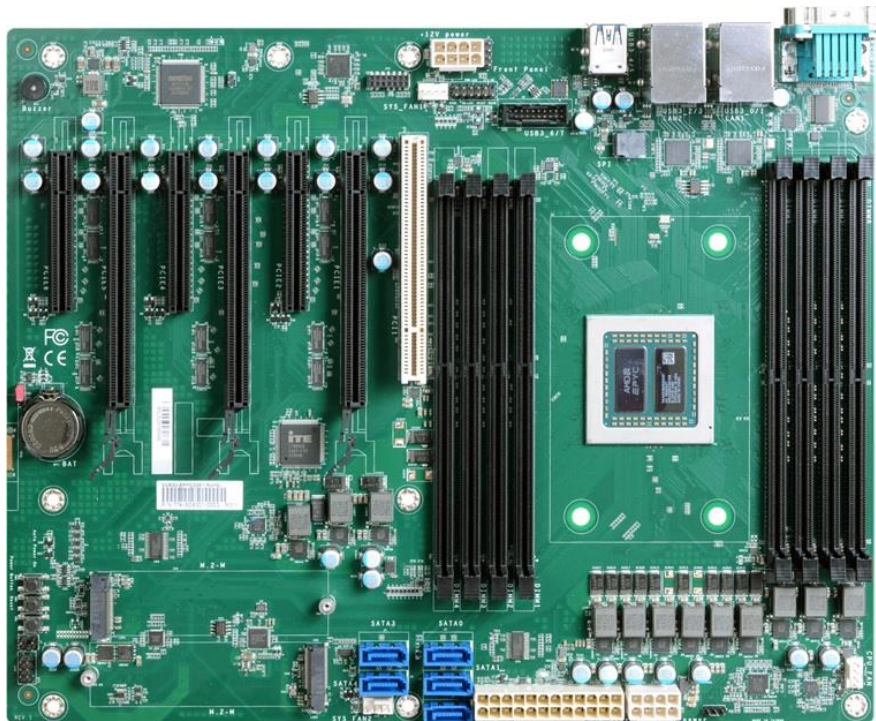


MBU4172

Industrial Motherboard Series



MBU4172

PRODUCT HIGHLIGHTS

- ▶ AMD® EPYC™ Embedded 3351, 12 Core, 24 Threads processor
- ▶ 8 DDR4 RDIMM/UDIMM up to 256
- ▶ Multiple expansion: 3 PCIe x16 (up to 6 PCIe x8), 1 PCI, 1 M.2 M Key (PCIe x4 NVMe, 1 M.2 M Key (SATA/PCIe x2 NVMe)
- ▶ Rich I/O: 2 COM, 8 USB 3.1 Gen 1
- ▶ Extended Life Cycle Support Until Q1' 31 (Based on AMD roadmap)



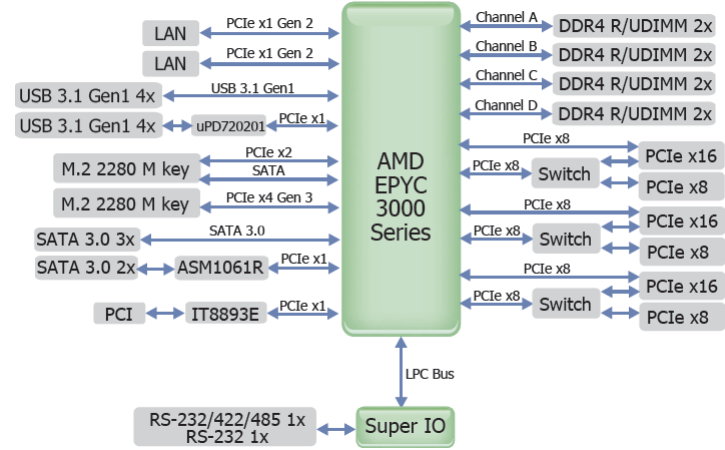
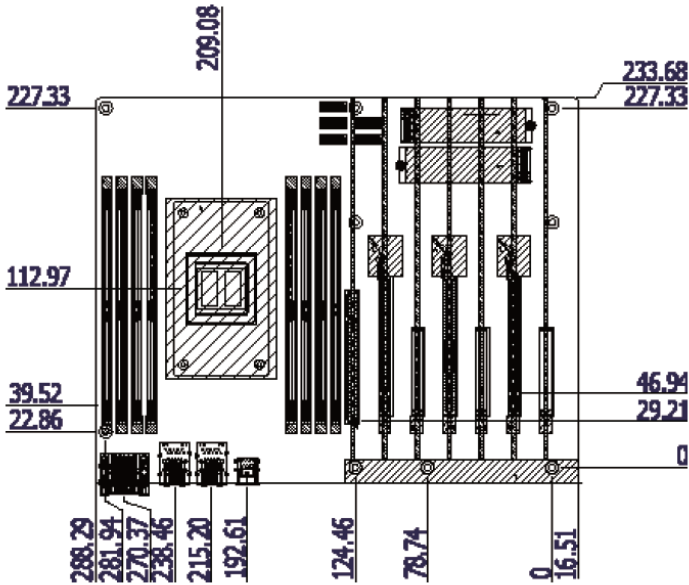
TECHNICAL INFORMATION

SYSTEM	PROCESSOR	AMD® EPYC™ Embedded 3351, 12 Core, 24 Threads, 1.9GHz (3GHz), 60-80W
	MEMORY	8 DDR4 RDIMM/UDIMM up to 256GB
	BIOS	Insyde
EXPANSION	INTERFACE	3 x PCIe x16 (up to 6 PCIe x8) 1 x PCI 1 x M.2 M Key (PCIe x4 NVMe) 1 x M.2 M Key (SATA/PCIe x2 NVMe)
ETHERNET	CONTROLLER	2 x Intel® I210AT
REAR I/O	ETHERNET	2 x GbE (RJ-45)
	SERIAL	1 x RS-232/422/485 (RS-232 w/power (DB-9) 1 x RS-232 (DB-9)
	USB	6 x USB 3.1 Gen 1
INTERNAL I/O	USB	2 x USB 3.1 Gen 1
	SATA	3 x SATA 3.0 2 x SATA 3.0 supports RAID 0/1
OUTPUT & INTERVAL		System Reset, Programmable via Software from 1 to 255 Seconds
TPM		TPM2.0 (opt., MOQ required)
TYPE		ATX
CONNECTOR		8-pin ATX 12V power / 24-pin ATX power
CONSUMPTION		TBD
RTC BATTERY		CR2032 Coin Cell
OS SUPPORT		Windows 10 64-bit Windows Server 2019 Linux
ENVIRONMENT	TEMPERATURE	Operating: -5 to 65°C Storage: -40 to 85°C
	HUMIDITY	Operating: 10 to 90% RH Storage: 10 to 90% RH
	MTBF	TBD
MECHANICAL	DIMENSIONS	ATX Form Factor 305mm (12") x 244mm (9.6")
	HEIGHT	PCB: TBD / Top Side: TBD Bottom Side: TBD

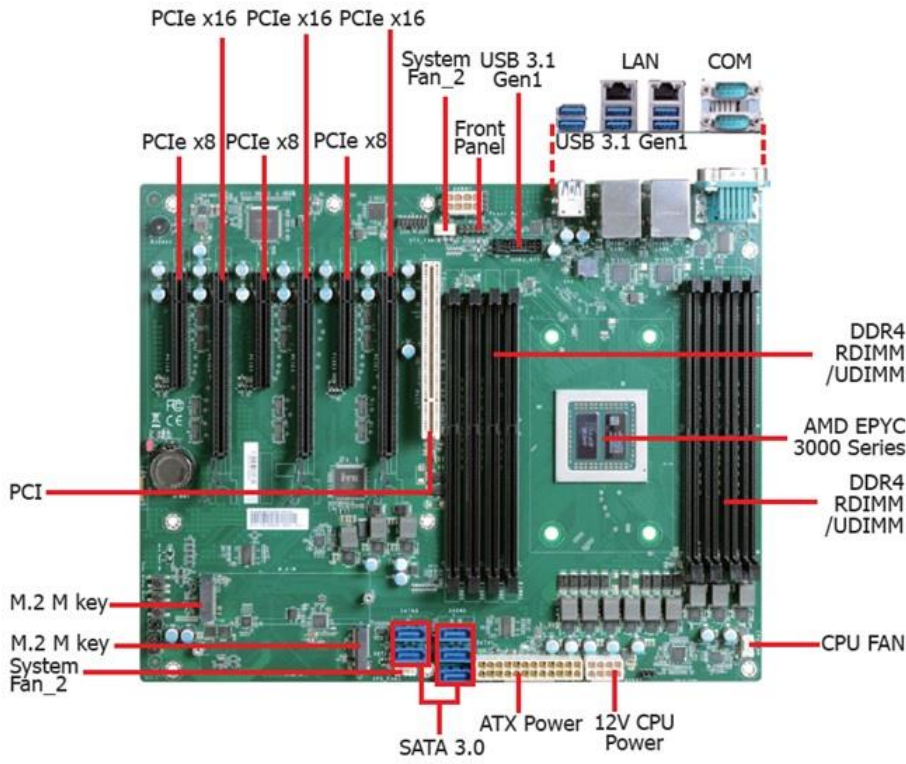
MBU4172

MECHANICAL DRAWING

BLOCK DIAGRAM



MOTHERBOARD LAYOUT



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