EdgeX-6000

Edge AI HPC Series

Features

- Processor: Single AMD EPYC™ Embedded 8004 Series Processor, up to 64C/128T
- Memory: 6 channel DDR5 4800 MHz with ECC, up to 576GB (96GB per DIMM)
- High-Density Expansion:
  Up to 4 x Dual-slot GPUs (PCIe x16) or
  8 x Single-slot cards (PCIe x8)
- Front-Accessible Storage: 4 x E1.S EDSFF SSDs (9.5mm)
- Front I/O: 2 x USB USB 3.2 Gen1, Status LEDs
- Rear I/O: 2 x DP, 3 x COM, 4 x USB 3.2 Gen2, 2 x 2.5GbE, 2 x 10GbE
- Supports AMD ROCm™ software stack for AI and HPC workloads
- MicroBMC management for remote control

System

CPU	AMD EPYC™ Embedded 8004 Siena series (SP6 socket), Up to 64C/128T, single processor, TDP max 225W
Memory	6 channel DDR5 4800 MHz with ECC, up to 576GB (96GB per DIMM)
BIOS	AMI UEFI BIOS
TPM	dTPM2.0

I/O

USB Port	Front: 2 x USB 3.2 Gen1 ports Type A Rear: 4 x USB 3.2 Gen2 ports Type A
LAN Port	2 x 10GbE RJ45 2 x 2.5GbE RJ45
Video Port	2 x DP1.4a 7680×4320 @60Hz (8K)
Serial Port	3 x RS-232/422/485 COM port COM3 support Console function

Storage

Storage	1x M.2 key support NVMe 2280 storage 4x E1.S EDSFF SSDs (9.5mm) or 2 x SATA3 2.5" SSD (Option)

Expansion Slots

4 x PCIe x16 slots (Gen5 x16 link) for dual-slot cards or
8 x PCIe x16 slots (Gen5 x8 link) for single-slot cards

Environmental

Operating Temp.	0 ~ 65°C (32 ~ 149°F) without GPU card
Storage Temp.	-40 ~ 60°C (-40 ~ 140°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Vibration	(For Edge AI HPC without GPU card) Comply with IEC 60068-2-6
Shock	(For Edge AI HPC without GPU card) Comply with IEC 60068-2-27

Qualification

Certification	CE, FCC, CB

Power Requirement

Power Input	2400W CRPS PSU, up to 3200W

Mechanical

Weight	10 Kg
Dimensions (W x D x H)	216 x 495 x 170 mm (8.5" x 19.49" x 6.69")

OS Support

Windows Server 2022
Ubuntu 24.04 (by customer request)

Ordering Information

EdgeX-6000-E858000	AMD EPYC™ Embedded 8534P, 3200W PSU with NVIDIA® Quadro® A1000 MXM
EdgeX-6000-E838001	AMD EPYC™ Embedded 8324P, 2400W PSU with NVIDIA® Quadro® A1000 MXM
EdgeX-6000-E808002	AMD EPYC™ Embedded 8024P, 800W PSU

ARBOR
From Edge to Action

Dimension

512.55

495

216

170

Unit: mm