XA AM3A-E13 AMD Instinct™ MI355X

Designed to scale the highest compute performance & AI



Form Factor / 10U

CPU Number / 2

Memory Number / 24

10U AMD INSTINCT MI355X 8-GPU server with dual AMD 9005 processors that designed for large scale of AI and HPC, 11 PCIe slots, 24 DIMM, 10 NVMe, dual 10G LAN. NIC and storage are placed close to the GPUs, use a ratio of up to 1:1 GPUs to network interface card and have GPU Direct Storage design could reduce read/write latency. XA AM3A-E13 is optimal for cultivating AI advancements for enterprise applications.

FEATURE

- AMD 9005 Series Processers
- PCIe 5.0 Ready
- Powerful Performance
- Enhanced IT-infrastructure management

Target Market

- High Performance Computing
- Generative AI
- Deep Learning / Machine Learning
- Data Analysis
- Scientific Research
- AI Inference

A + A Solution -
AMD EPYC 9005 Processors & AMD Instinct MI355X Serie

ASUS XA AM3A-E13 series is a 10U AMD® eight-GPU server with dual AMD EYCP 9005 processors and 24 DDR5 RDIMM up to 6400 MHz (1DPC), delivering exceptional performance , designed for generative AI and HPC workloads.

Powerful Performance

Support AMD Instinct MI355X Series 8-GPUs. NIC and storage are placed close to the GPUs, use a ratio of up to 1:1 GPUs to network interface card and have GPU Direct Storage design could reduce read/write latency.
288 GB HBM capacity and 8 TB/s bandwidth for large AI models and HPC workloads. Infinity Fabric™ delivers 153 GB/s bandwidth for efficient scaling up performance.

Enhanced IT-infrastructure management

ASUS ASMB11-iKVM remote control with ASPEED AST2600, ASUS Control Center IT management software and hardware-level Root-of-Trust solution

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SPECIFICATION

Model Name		XA AM3A-E13
Processor Support		2 x AMD 9005/9004 series processors (Air-cooled up to TDP 400W)
Core Logic		(INTEGRATED I/O – NO CHIPSET)
Memory	**Total Slots** **Capacity** **Memory Type** **Memory Size**	24x DDR5 DIMM slots, up to 6400MHz(1DPC) (12-channel per CPU, 12 DIMM per CPU) Maximum up to 3TB DDR5 6400/5600 RDIMM 128GB, 96GB, 64GB *Refer to Asus server AVL for the latest update
Expansion Slots	**Total PCI/PCI-X/PCI-E/PIKE Slots** **Slot Type**	Up to 11 PCIe slots [89104 PCIe switch directly] -8 x PCIe Gen5 x16 (LP, HL) – GPU group [89048 PCIe switch directly] -1 x PCIe Gen5 x16 (FH, HL) – CPU 1 extension -1x PCIe Gen5 x8 (FH, HL) – CPU 1 extension [CPU directly] -1 x PCIe Gen5x16 (FH, HL) (CPU2)
Storage Bays	**I = internal** **A or S will be hot-swappable**	[Via 89104 PCIe switch] 8 x 2.5” hot-swap storage bays [Via 89048 PCIe switch] 2 x NVMe/SATA*/SAS* *HBA/ RAID card is required to support SAS hard drives 2 x M.2 Gen5 x4 (2280, 2260)
Networking	**LAN**	1 x Management Port 2 x 10Gb RJ45 LAN module (Intel-x710 Based)
Graphic	**VGA**	Aspeed AST2600 64MB
Front I/O Ports		4 x USB3.2 Gen1 ports 1 x VGA port 2 x 10Gb RJ45 LAN module (Intel-x710 Based) 1 x Mgmt LAN
Switch/LED		Front : 1 x Power Button/LED 1 x Location Button/LED 1 x Message LED 1 x Q-Code/Port 80 LED Rear : 1 x Location LED 1 x Power Button/LED
OS Support		Please find the latest OS support from http://www.asus.com/
Management Solution	**Software**	ASUS Control Center (Classic)
	Out of Band Remote Management	On-Board ASM11-iKVM for KVM-over-IP
Dimension		447mm x 887.4mm x 435.95mm (10U)
Net Weight Kg (CPU, DRAM & HDD not included)		131.66kg (excluding CPU, DRAM, and HDD)
Gross Weight Kg (CPU, DRAM & HDD not included, Packing included)		201.66kg (including packing, excluding CPU, DRAM, and HDD)
Power Supply (following different configuration by region)		6+2 Redundant 80 PLUS 3200W Titanium PSU Rating: 220-240Vac, 16A(x8), 50/60Hz
Environment		Operation temperature: 10℃ ~ 30℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)

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