Altus® XE4318GT

High GPU density 4U server for advanced AI workloads

Key Features

▸ Dual AMD EPYC™ 9004 processors

▸ Up to 48 DDR4-4800MHz ECC memory modules to deliver speed and efficiency for data-intensive workloads

▸ Supports up to 8 double slot GPUs and 10x PCIe Gen5 low-profile cards

▸ Storage for up 12 x 2.5" SATA hot-swap drive bays with U.2 NVMe support

Penguin Computing™ Altus XE4318GT server is a GPU power house. Leveraging the latest compute technology from AMD, paired with fast and efficient memory, and flexibility in storage, the Altus XE4318GT is a 4U high density GPU platform that can tackle any large scale enterprise and hyperscale deployment.

Technical Specifications

Form Factor

Form factor	4U Rackmount

Processors

Processor Number	2
Processor Type	AMD EPYC™ 9004 series
Maximum TDP	400W

Motherboard

Chipset	SoC

Board Management

BMC Chipset	ASpeed AST2600
Dedicated BMC Interface	RJ45
IPMI 2.0	Yes
Virtual Media Over LAN	Yes
KVM Over LAN	Yes
RedFish	Yes

Memory

Memory Type	DDR5-4800MHz
Memory Capacity	Up to 12TB DDR5-4800MHz (48 DIMMs)

Storage System

Hard Drive Bays	SATA/U.2 NVMe (2.5")	12 Hot-Swappable Bays

Networking

Ethernet Controller	Intel® I350-AM2
On-Board LAN	2x 1GbE/RJ45

PCI Expansion Slots

Number of Slots/Gen/Speed (Size)	8x PCIe Gen5 x16 FHFL (GPU), 8x PCIe Gen5 x16 LP (Rear), 2x PCIe Gen5 x16 LP (Front)

GPU*

GPU Capable	Yes
GPU Supported	NVIDIA H100 PCIe

External I/O Interfaces*

USB Ports	2 x USB 3.2 Gen1
Video Output	1x VGA Port

Supported Operating System

Supported OS	RHEL, Rocky

Power System

Power Supply Size	4x 3000W 80Plus Titanium

Regulatory Compliance

Regulations	CE, FCC

Mounting Hardware

Rackmount Rails	Standard Rails included

Operating Environment	
Operating Temperature	10C to 35C (50F to 95F)
Non-operating Temperature	0C to 60C (32F to 140F)
Operating Relative Humidity	8% to 80% (non-condensing)
Non-operating Relative Humidity	20% to 95% (non-condensing)
System Dimensions & Weight	
Height	6.93 inches
Width	17.64 inches
Depth	34.65 inches
Warranty	
Warranty	3 Year Standard; Up to 4 years on-site available

Learn More

Visit www.penguincomputing.com to learn more about our servers.

ABOUT PENGUIN SOLUTIONS

An **SGH**™ Brand

Penguin Solutions accelerates digital transformation with the power of emerging technologies in HPC, AI, and IoT with solutions and services that span the continuum of edge, core, and cloud.

Penguin Computing specializes in innovative and emerging technologies for the world's most demanding workloads.

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