Altus® XE2318GT Server

High GPU density 2U server for artificial intelligence traning and inferencing

Key Features

- Dual AMD EPYC™ 9004 processors
- Up to 24 DDR5-4800MHz ECC memory modules per node to deliver speed and efficiency for data-intensive workloads
- Supports up to 8 double slot GPUs and 2x PCIe Gen5 low-profile cards
- Storage for up 8 x 2.5" SATA hot-swap drive bays with an option for 4 x U.2 NVMe
- Up to two PCIe x16 Gen 5 low-profile slots

A step above, the Penguin Computing™ Altus XE2318GT server is a GPU powerhouse, offering double the amount of GPUs from our previous generation. Leveraging the latest compute technology from AMD, paired with fast and efficient memory, and just the right amount of storage, the Altus XE2318GT is the optimal 2U platform offering high density GPU availability for large scale enterprise and hyperscale deployments.

Technical Specifications

Form Factor

Form factor	2U - Rackmount

Processors

Processor Number	2
Processor Type	AMD EPYC™ 9004
Maximum TDP	240W

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 6TB (24 DIMMs)

Storage System

Hard Drive Bays	SATA (2.5"); SATA/U.2 NVMe (2.5")	4 hot-swappable bays

Networking

Ethernet Controller	Broadcom® BCM57416
On-Board LAN	2x 10GbE/RJ45

PCI Expansion Slots

Number of Slots/Gen/Speed (Size)	8x PCIe Gen5 x16 FHFL (GPU), 2x PCIe Gen5 x8 LP

External I/O Interfaces

USB Ports	2 x USB 3.2 Gen1
VGA Ports	1 x VGA

Supported Operating System

Supported OS	RHEL, Rocky

Power System

Power Supply Size	2x 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	30% to 80% (non-condensing)
Non-operating Relative Humidity	20%-95% (non-condensing)
System Dimensions & Weight	
Height	3.44 inches
Width	17.32 inches
Depth	34.52 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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