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SOLUTIONS

● Datasheet

Altus XE4318GTv2

Highly configurable AMD turin platform
that is NVIDIA OVX optimized for the
latest GPU technology

Overview

Altus® XE4318GTv2 server powers through the competition.
Leveraging the latest compute technology from AMD,
paired with fast and efficient memory and the latest 600W
TDP PCIe GPUs, this NVIDIA Certified OVX system delivers
industry-leading performance to accelerate next-gen
AI-enabled workloads for inferencing and training, HPC,
3D rendering, deep learning, and analytics workloads.

Build your next generation infrastructure with Penguin
Solutions® Altus® XE4318GTv2 platform. Designed to meet
tomorrow's compute demands with superior performance
and flexibility.

Key Features

- Dual AMD EPYC™
  9005 processors

- Supports DDR4-5200 MT/s
  ECC memory at 1 DPC

- Supports up to 8 double slot
  GPUs and 5 additional slots
  for I/O

- Storage for up 12 x 2.5" Gen5
  NVMe hot-swap drive bays

Technical Specifications

Form Factor

Form Factor	4U Rackmount

Processors

Processor Number	2
Processor Type	AMD EPYC™ 9005/9004 series
Maximum TDP	400W

Motherboard

Chipset	SoC

Board Management

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

Memory

Memory Type	DDR5-5200 MT/s (EPYC 9005), DDR5-4400 MT/s (EPYC 9004)
Memory Capacity	Up to 12TB (48 DIMMs) DDR5-4400 MT/s (EPYC 9005), DDR5-4000 MT/s (EPYC 9004)

Internal Storage Controller

Onboard Controller	

Storage System

Hard Drive Bays	SATA/U.2 NVMe (2.5")	12 Gen5 Hot-Swappable Bays
	M.2 (2280/22110)	2 PCIe Gen3

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), 2x PCIe Gen5 x16 FHHL (Rear), 3x PCIe Gen5 x16 LP (Rear), 1x PCIe Gen5 x16 LP (Front)

Mezzanine Expansion Options

OCP Mezzanine	Storage OCP Mezz	N/A
	Network OCP Mezz	N/A

GPU

GPU Capable	Yes
GPU Supported	NVIDIA H200 NVL, RTX Pro 6000 Blackwell Server Editition *600W GPUs require additional Fan Kit

External I/O Interfaces	
USB Ports	2x 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	1 Year Standard; For details see the MPSA
Cooling Options	
Air Cooling	Standard
Direct-To-Liquid Cooling	N/A

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Contact Us

For sales queries, please contact sales@penguinsolutions.com.

To learn more about the Altus XE4318GTv2 and other Penguin Solutions products, please visit: www.penguinsolutions.com