PENGUIN 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

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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 Edition *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	3 Years 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

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