PENGUIN SOLUTIONS

Datasheet

Altus XE5318GTSv2



Big problems need big solutions

Overview

Graphics Processing Units (GPUs) have quickly established themselves as the computing tools of the future. As the growth rate of Central Processing Unit (CPU) speeds slows down, GPUs can offload compute-intensive functions from CPUs and accelerate your time-to-results.

The Penguin Solutions® Altus® XE5318GTSv2 server is built on the latest technology offering the maximum amount of interconnected GPUs to process intense amounts of data with the least amount of latency.

Key Features

- Dual AMD EPYC™ 9005/9004 processors
- Up to 24 DDR5-6400 MT/s memory modules to deliver speed and efficiency for data-intensive workloads
- Storage density for up to 8x 2.5" hot-swap drive bays with SATA and NVMe support
- Supports up to 8 x Nvidia SXM5 GPUs with Dedicated GPUDirect RDMA NICs

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Technical Specifications

Form Factor		
Form Factor	5U Rackmount	
Processors		
Processor Number	2	
Processor Type	AMD EPYC™ 9005/9004 series	
Maximum TDP	400W, cTDP 500W	
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	DDR5-6400 MT/s (EPYC 9005), DDR5-4800 MT/s (EPYC 9004)	
Memory Capacity	Up to 6TB DDR5-6400 MT/s (24 DIMMs)	
Storage System		
Hard Drive Bays	SATA/U.2 NVMe (2.5")	8 Hot-Swappable Bays
	M.2 (2280/22110)	2 PCIe Gen3
Networking		
Ethernet Controller	Intel® X710-AT2	
On-Board LAN	2x 10GbE/RJ45	
PCI Expansion Slots		
Number of Slots/Gen/Speed (Size)	8x PCIe Gen5 x16 LP Slots, 4x PCIe Gen5 x16 FHHL Slots	
GPU		
GPU Capable	Yes, Up to 8x NVIDIA SXM5	
GPU Supported	NVIDIA HGX™ H200	
External I/O Interfaces		
USB Ports	2x USB 3.2 Gen1	
Video Output	1x VGA	
Supported Operating System		
Supported OS	RHEL, Rocky	
Power System		
Power Supply Size	6x 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	
Height	8.75 inches
Width	17.60 inches
Depth	37.20 inches
Warranty	
Warranty	3 Years Standard; For details see the MPSA
Cooling Options	
Air Cooling	Standard
Direct-To-Liquid Cooling	Optional

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Contact Us

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

To learn more about the Altus XE5318GTSv2 and other Penguin Solutions products, please visit: www.penguinsolutions.com

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