PENGUIN SOLUTIONS

Datasheet

Altus XE2318GTv2



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

Overview

A step above, the Penguin Solutions® Altus® XE2318GTv2 server is a GPU power house, enabling support for 600W TDP GPUs.

Leveraging the latest compute technology from AMD, paired with fast and efficient memory and just the right amount of storage, the Altus XE2318GTv2 is the optimal 2U platform offering high density GPU availability for large scale enterprise and hyperscale deployments.

Key Features

- Dual AMD EPYC™ 9005 processors
- Up to 24 DDR4-6400 MT/s ECC memory modules 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 to 8 x 2.5" SATA hot-swap drive bays with an option for 4 x U.2 NVMe

© 2025 Penguin Solutions

Technical Specifications

Form Factor		
Form Factor	2U Rackmount	
Processors		
Processor Number	2	
Processor Type	AMD EPYC™ 9005/9004 Series	
Maximum TDP	300W	
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), DDR4-4800 MT/s (EPYC 9004)	
Memory Capacity	Up to 6TB (24 DIMMs)	
Storage System		
Hard Drive Bays	SATA (2.5")	4 Hot-Swappable Bays
	SATA/U.2 NVMe (2.5")	4 Gen5 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 x16 LP	
GPU		
GPU Capable	Yes	
GPU Supported	NVIDIA H200 NVL (max 4), RTX Pro 6000 Blackwell Server Edition (max 4)	
External I/O Interfaces		
USB Ports	2 x USB 3.2 Gen1	
Video Output	1x 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	8% to 80% (non-condensing)
Non-operating Relative Humidity	20% to 95% (non-condensing)
System Dimensions & Weight	
Height	3.44 inches
Width	17.64 inches
Depth	31.50 inches
Warranty	
Warranty	3 Years Standard; For details see the MPSA
Cooling Options	
Air Cooling	Standard
Direct-To-Liquid Cooling	N/A

PENGUIN SOLUTIONS

Contact Us

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

To learn more about the Altus XE2318GTv2 Server and other Penguin Solutions products, please visit: www.penguinsolutions.com

© 2025 Penguin Solutions, Inc. All rights reserved. Penguin Solutions and Altus are trademarks within the family of companies owned by Penguin Solutions, Inc. All other trademarks are the property of their respective owners, and no claims of ownership are asserted therein.