PENGUIN SOLUTIONS

Datasheet

Relion XE4318GT GPU



GPU server with maximum uptime and industry-leading load efficiency supporting the latest 5th Gen Intel® Xeon® Scalable Processors.

Overview

If your organization is like the many others choosing to build their cluster around graphics processing units (GPUs), accelerate your time-to-results with the Penguin Solutions® Relion® XE4318GT server and its 8 GPU capacity.

Choose the Relion® XE4318GT server for complex compute applications and mission-critical projects requiring the most powerful 5th Gen Intel® Xeon® Scalable Processors along with the latest in GPU-accelerator technology.

Key Features

- Dual 5th Gen Intel® Xeon® Scalable Processors.
- Up to 32 DDR5-5600 MT/s memory modules to deliver speed and efficiency for data-intensive workloads.
- Supports up to 8 double slot GPUs and 10x PCIe Gen5 low-profile cards.
- Storage for up 12 x 2.5”/3.5” SATA hot-swap drive bays with U.2 NVMe support.

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Technical Specifications

Form Factor	
Form Factor	4U Rackmount
Processors	
Processor Number	2
Processor Type	5th/4th Gen Intel® Xeon® Scalable Processors
Maximum TDP	350W
Motherboard	
Chipset	Intel® C741 Chipset
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	DDR5-5600 MT/s (1DPC), DDR5-4800 MT/s (2DPC)
Memory Capacity	Up to 8TB (32 DIMMs)
Storage System	
Hard Drive Bays	SATA/U.2 NVMe (3.5"/2.5") 12 Hot-Swappable Bays
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 FHFL (GPU), 8x PCIe Gen5 x16 LP Rear Slots, 2x PCIe Gen5 x16 LP Front Slots
GPU	
GPU Capable	Yes
GPU Supported	NVIDIA H100 NVL, L40S, L40
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	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

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Contact Us

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

To learn more about the Relion XE4318GT GPU Server and other Penguin Solutions products, please visit: www.penguinsolutions.com

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