PENGUIN SOLUTIONS

Datasheet

Relion XE2318GT GPU



High-efficiency 2U server with dense GPU support and maximum uptime supporting 5th Gen Intel® Xeon® Scalable Processors.

Overview

As more organizations look to grow their compute capabilities, they look to GPU accelerators to do so. Deploying GPUs allows you to offload compute-intensive functions from CPUs, massively improving processing times. This is why workloads like artificial intelligence and deep learning, which need immense computing resources to process extreme amounts of data, benefit from GPU density.

The Penguin Solutions® Relion® XE2318GT server packs 8 GPUs in a 2U rackmount form factor along with two 5th Gen Intel® Xeon® Scalable Processors. Choose the Relion® XE2318GT server to power data-intensive workloads that need the computing power of GPU accelerators.

Key Features

- Dual 5th Gen Intel® Xeon® Scalable Processors.
- Up to 24 DDR5-5600 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 8 x 2.5" SATA hot-swap drive bays with an option for 4 x U.2 NVMe.

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Technical Specifications

Form Factor		
Form Factor	2U Rackmount	
Processors		
Processor Number	2	
Processor Type	5th/4th Gen Intel® Xeon® Scalable Processors	
Maximum TDP	225W	
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), DDR5-4400 MT/s (2DPC)	
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 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), 2x PCIe Gen5 x8 LP	
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	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

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Contact Us

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

To learn more about the Relion XE2318GT GPU Server and other Penguin Solutions products, please visit: www.penguinsolutions.com

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