PENGUIN SOLUTIONS

Datasheet

Relion XE4418GT



Highly configurable Intel Xeon 6 platform that is NVIDIA OVX optimized for latest GPU technologies

Overview

Relion® XE4418GT server accelerates results. This NVIDIA Certified OVX system pairs the latest Intel Xeon 6 processors with the latest accelerator technology to excel across AI inference/training, HPC, 3D rendering, deep learning, cloud-native applications, and analytics.

Build your next generation infrastructure with Penguin Solutions® Relion® XE4418GT platform. Designed to meet tomorrow's compute demands with superior performance and flexibility.

Key Features

- Dual Intel® Xeon® 6 Scalable Processors
- Up to 32 DDR5-5200 MT/s memory modules to deliver speed and efficiency for data-intensive workloads
- Supports up to 8 double slot GPUs and 6x PCIe Gen5x16 slots for additional I/O
- Storage for up to 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	Intel® Xeon® 6 Scalable Processor, Intel Granite Rapids SP
Maximum TDP	350W
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 (1DPC), DDR5-5200 MT/s (2DPC), MRDIMM: Up to 8000MT/s
Memory Capacity	Up to 8TB DDR5-5200 MT/s (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), 2x PCIe Gen5 x16 FHHL (Rear), 3x PCIe Gen5 x16 LP (Rear), 2x PCIe Gen5 x16 LP (Front)
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
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	
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 Relion XE4418GT GPU Server and other Penguin Solutions products, please visit: www.penguinsolutions.com

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