PENGUIN SOLUTIONS

Datasheet

Relion XE3314GTS GPU



Optimal GPU support focused on P2P performance with NVIDIA NVLINK

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.

Penguin Solutions® Relion® XE3314GTS server is ideal for anyone that needs to maximize P2P GPU performance in a compact platform.

Key Features

- Dual 5th Gen Intel® Xeon® Scalable Processors.
- Up to 16 DDR5-5600 MT/s ECC memory modules to deliver speed and efficiency for data-intensive workloads.
- Storage density for up to 8 x 2.5" hot-swap drive bays with SATA and NVMe support.
- Supports up to 4 x NVIDIA SXM5 GPUs with Dedicated GPUDirect RDMA NICs.

© 2025 Penguin Solutions

Technical Specifications

Form Factor	
Form Factor	3U 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
Memory Capacity	Up to 4TB (16 DIMMs)
Storage System	
Hard Drive Bays	SATA/U.2 NVMe (2.5") 8 Hot-Swappable Bays
Networking	
Ethernet Controller	Broadcom® BCM57416 (Rear) + Intel® I350-AM2 (Front)
On-Board LAN	2x 10GbE/RJ45 (Rear) + 2x 1GbE/RJ45 (Front)
PCI Expansion Slots	
Number of Slots/Gen/Speed (Size)	6x PCIe Gen5 x16 LP Slots
GPU	
GPU Capable	Yes, 4x NVIDIA SXM5
GPU Supported	NVIDIA HGX™ H200
External I/O Interfaces	
USB Ports	2x USB 3.2 Gen1
Video Output	1x mini-DP
Supported Operating System	
Supported OS	RHEL, Rocky
Power System	
Power Supply Size	2+1 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	5.12 inches
Width	17.64 inches
Depth	31.50 inches
Warranty	
Warranty	3 Years Standard; For details see the MPSA

PENGUIN SOLUTIONS

Contact Us

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

To learn more about the Relion XE3314GTS GPU Server and other Penguin Solutions products, please visit: www.penguinsolutions.com

© 2025 Penguin Solutions, Inc. All rights reserved. Penguin Solutions and Relion 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.