Relion® XE3314GTS GPU Server

Optimal GPU support focused on P2P Performance with NVIDIA® NVLink®

Key Features

- ▸ Dual 4th Gen Intel® Xeon® Scalable Processors
- ▸ Up to 16 DDR5-4800MHz 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 4x NVIDIA SXM5 GPUs with Dedicated GPUDirect RDMA NICs

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 Computing™ Relion® XE3314GTS server ideal for anyone that needs to maximize P2P GPU performance in a compact platform.

Technical Specifications

Form Factor

Form factor	3U Rackmount

Processors

Processor Number	2
Processor Type	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	DDR5-4800MHz
Memory Capacity	Up to 4TB DDR5-4800MHz (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™ H100

External I/O Interfaces

USB Ports	2x USB 3.2 Gen1
VGA Ports	1x mini-DP

Supported Operating System

Supported OS	RHEL, Rocky

Power System

Power Supply Size	3x 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 Year Standard; Up to 4 years on-site available

Learn More

Visit www.penguincomputing.com to learn more about our servers.

ABOUT PENGUIN SOLUTIONS

An **SGH**™ Brand

Penguin Solutions accelerates digital transformation with the power of emerging technologies in HPC, AI, and IoT with solutions and services that span the continuum of edge, core, and cloud.

Penguin Computing specializes in innovative and emerging technologies for the world's most demanding workloads.

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