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 GPU Direct 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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>10°C to 35°C (50°F to 95°F)</td>
</tr>
<tr>
<td>Non-operating Temperature</td>
<td>0°C to 60°C (32°F to 140°F)</td>
</tr>
<tr>
<td>Operating Relative Humidity</td>
<td>8% to 80% (non-condensing)</td>
</tr>
<tr>
<td>Non-operating Relative Humidity</td>
<td>20% to 95% (non-condensing)</td>
</tr>
</tbody>
</table>

### System Dimensions & Weight

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>5.12 inches</td>
</tr>
<tr>
<td>Width</td>
<td>17.64 inches</td>
</tr>
<tr>
<td>Depth</td>
<td>31.50 inches</td>
</tr>
</tbody>
</table>

### Warranty

- **Warranty**: 3 Year Standard; Up to 4 years on-site available

Learn More

Visit [www.penguincomputing.com](http://www.penguincomputing.com) to learn more about our servers.

**ABOUT PENGUIN SOLUTIONS**

**An SGHI® 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.