Modern data centers require flexible computing resources that can be deployed at scale. The Penguin Computing Relion® XE2122eAP server provides dual Intel® Xeon® Scalable Processors per node, up to 24 DDR4 DIMM slots per node, and up to two M.2 NVMe drives or two M.2 NVMe drives with 2 U.2 NVMe drives for flexible and dense storage. With powerful compute and dense storage in a single server, the Relion XE2122eAP server is an optimal platform for data center and HPC deployments at scale.

FEATURES & BENEFITS

- Dual Intel® Xeon® Scalable Processors
- Up to 3TB DDR4-2933MHz / 6TB with Intel® Optane™ DC Persistent Memory across 24 DIMM slots
- Up to 2x M.2 NVMe drives per node or up to 2x M.2 and 2x U.2 NVMe drives per node
- Up to four PCIe Gen3 x16 low profile slot

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>TECHNICAL SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>2U - 2 Node Rackmount</td>
</tr>
<tr>
<td>Processors</td>
<td>Processor Number: 2 per node / 4 total</td>
</tr>
<tr>
<td></td>
<td>Processor Type: Intel® Xeon® Scalable Processors</td>
</tr>
<tr>
<td>Motherboard</td>
<td>BMC Chipset: Intel® Lewisburg C621 Express Series</td>
</tr>
<tr>
<td>Board Management</td>
<td>BMC Interface: ASpeed AST2500</td>
</tr>
<tr>
<td>Memory</td>
<td>Memory Type: DDR4-2933MHz ECC</td>
</tr>
<tr>
<td></td>
<td>Memory Capacity: Up to 3TB DDR4 (24x DIMMs)</td>
</tr>
<tr>
<td>Hard Drive Bays</td>
<td>M.2 NVMe: Up to two drives per node</td>
</tr>
<tr>
<td></td>
<td>U.2 NVMe: Up to two drives per node</td>
</tr>
<tr>
<td>Networking</td>
<td>Ethernet Controller: Intel® I350</td>
</tr>
<tr>
<td></td>
<td>On-Board LAN: 2x 1GbE/RJ45</td>
</tr>
<tr>
<td>PCI Expansion Slots</td>
<td>Number of Slots/Gen/Speed (Size):</td>
</tr>
<tr>
<td></td>
<td>4x Gen3 PCIe x16 (LP)</td>
</tr>
</tbody>
</table>
### GPU:
- **GPU Capable:** No

### External I/O Interfaces
- **USB Ports:** None (Available via Included Dongle)
- **VGA Ports:** None (Available via Included Dongle)
- **Serial Ports:** None (Available via Included Dongle)

### Power System
- **Power Supply Size:** 3x 1600W 80Plus Titanium

### Regulatory Compliance
- **Regulations:** EMEA, ASMO

### Mounting Hardware
- **Rackmount Rails:** Standard Rails Included

### Operating Environment
- **Operating Temperature:** 15C to 35C (59F to 95F)
- **Non-operating Temperature:** 0C to 70C (0F to 158F)
- **Operating Relative Humidity:** 30% to 80% (non-condensing)
- **Non-operating Relative Humidity:** 5% to 90% (non-condensing)

### System Dimensions
- **Height:** 3.42”
- **Width:** 17.57”
- **Depth:** 35.83”

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

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**Learn More**
Configure your ideal server at [www.penguincomputing.com](http://www.penguincomputing.com).

For pricing on your specific configuration, contact a representative by email at sales@penguincomputing.com or call 1-888-PENGUIN (736-4846).

**Purchase with Financing**
Finance products, services, even soft costs with Penguin Computing Capital. Choose from options such as no money down, flexible billing choices, extended repayment timelines, and a variety of end-of-term alternatives.

**About Penguin Computing, a SMART Global Holdings Company**
Penguin Computing, a U.S.-based global provider of high-performance computing (HPC), artificial intelligence (AI) and machine learning, and data center solutions, has been serving the industry for over 20 years. Penguin Computing offers a comprehensive portfolio of hardware and software including solutions based on the Open Compute Project (OCP), as well as extensive services including financing and top-rated customer support. Penguin Computing products include Linux-based servers, software, integrated turn-key clusters, enterprise-grade storage, and bare metal HPC, all available in hardware or cloud-based solutions via Penguin Computing® On-Demand™ (POD). Penguin Computing is a subsidiary of SMART Global Holdings, Inc.