

# RELION XE4118GT

ULTRA-DENSE 4U GPU SERVER WITH MAXIMUM UPTIME AND INDUSTRY-LEADING LOAD EFFICIENCY



## OVERVIEW

If your organization is like the many others choosing to build their cluster around graphics processing units (GPUs), accelerate your time-to-results with the Penguin Computing Relion® XE4118GT and its 10 GPU capacity. Feel confident in uptime capability with three 2200W 80 Plus Titanium power supplies and the best load efficiency on the market. Choose the Relion XE4118GT for complex compute applications and mission-critical projects.

## FEATURES & BENEFITS

- Up to ten 300W GPGPUs or coprocessors for maximum performance
- Enables optimal peer-to-peer communication workloads with a single root complex and up to five GPU or coprocessors per switch.
- Dual Intel® Xeon® Scalable Processors at up to 205W with 24 DDR4-2933MHz (3TB) ECC memory modules deliver speed and efficiency for data-intensive workloads
- Three 2200W 80 Plus Titanium power supplies provide mission-critical uptime and industry-leading load efficiency

| FEATURE                            | TECHNICAL SPECIFICATIONS                      |   |
|------------------------------------|---|---|
| <b>Form Factor</b>                 | 4U Rackmount Form Factor                      |   |
| <b>Processors</b>                  | Processor Number:2                            | 2   |
|                                    | Processor Type:                               | Intel® Xeon® Scalable Processors  |
|                                    | Maximum TDP:                                  | 205W  |
| <b>Motherboard</b>                 | Chipset:                                      | Intel Lewisburg C620 Series Chipset                                       |
| <b>Board Management</b>            | BMC Chipset:                                  | ASpeed AST2500  |
|                                    | Dedicated BMC Interface:                      | RJ45  |
| <b>Memory</b>                      | Memory Type:                                  | DDR4-2933MHz ECC, Intel® Optane™ DC Persistent Memory                     |
|                                    | Memory Capacity:                              | Up to 3TB DDR4 / 6TB with Intel® Optane™ DC Persistent Memory (24x DIMMs) |
| <b>Internal Storage Controller</b> | Onboard Controller:                           | Intel Lewisburg C620 Series   |
| <b>Hard Drive Bays</b>             | 3.5":   | 12x 3.5" Hot-swappable SAS/SATA Drives                                    |
|                                    | 2.5":   | 10x 2.5" Hot-swappable SAS/SATA Drives                                    |
| <b>Hard Drive Backplane</b>        | 12Gb  |   |
| <b>Networking</b>                  | Ethernet Controller                           | Intel I350-AM2  |
|                                    | On-Board LAN                                  | 2x GbE/RJ45   |
| <b>PCI Expansion Slots</b>         | Number of Slots/Gen/Speed (Size)              |   |
|                                    | 8x PCIe Gen3 x16 (GPU), 2x PCIe Gen3 x16 (LP) |   |

| FEATURE                               | TECHNICAL SPECIFICATIONS                          |                             |
|---------------------------------------|---|-----------------------------|
| <b>GPU</b>                            | GPU Capable:                                      | Yes                         |
| <b>Supported GPUs</b>                 | NVIDIA® Tesla P100, NVIDIA Tesla V100             |                             |
| <b>External I/O Interfaces</b>        | USB Ports:  | 2x USB 3.0                  |
|                                       | VGA Ports:  | Yes                         |
|                                       | Serial Ports:                                     | Yes                         |
| <b>Power System</b>                   | Power Supply Size:                                | 3x 2200W 80Plus Platinum    |
| <b>Regulatory Compliance</b>          | Regulations:                                      | CE, FCC                     |
| <b>Mounting Hardware</b>              | Rackmount Rails:                                  | Standard Rails Included     |
| <b>Operating Environment</b>          | 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)  |
| <b>System Dimensions &amp; Weight</b> | Height: 6.9" Width: 17.63" Depth: 34.64"          |                             |
| <b>Warranty</b>                       | 3 year standard; Up to 4 years on-site available. |                             |

## 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](mailto: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.

