

RELION XE2112GT SERVER

HIGH-EFFICIENCY 2U SERVER WITH GPU SUPPORT, MAXIMUM UPTIME, AND HIGH-DENSITY STORAGE



OVERVIEW

As more organizations face challenges growing their compute capabilities, they look to GPU accelerators to solve their problems. Deploying GPU's enables researchers to offload compute-intensive functions from CPUs, massively improving processing times. Artificial intelligence and deep learning workloads need immense computing resources to process extreme amounts of data, which benefit from GPU density. The Penguin Computing Relion® XE2112GT server combines GPUs acceleration and high-density storage in a 2U rackmount form factor, while offering incredible CPU performance, with two Intel® Xeon® Scalable Processors. Choose the Relion XE2112GT server to accelerate your data-intensive workloads that need the computing power of GPUs.

FEATURES & BENEFITS

- Two NVIDIA® GPUs for high-performance parallel processing
- Delivers speed and efficiency with two Intel® Xeon® Scalable Processors at up to 165W each and up to 3TB DDR4-2666MHz ECC Memory
- Dual root PCIe complex with one (1) GPU or accelerator per CPU provides a balanced computing configuration
- Support for up to twelve (12) 3.5" hot-swap SATA drive bays and a SATA DOM provide flexible direct storage options

| FEATURE | TECHNICAL SPECIFICATIONS | |
|----------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|
| Form Factor | 2U Rackmount | |
| Processors | Processor Number: | 2 |
| | Processor Type: | Intel® Xeon® Scalable Processors |
| Motherboard | Chipset: | Intel Lewisburg C620 Series Chipset |
| Board Management | BMC Chipset: | ASpeed AST2500 |
| | Dedicated BMC Interface: | RJ45 |
| | IPMI 2.0: | Yes |
| Memory | 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) |
| Hard Drive Bays | 3.5": | 12x 3.5" Hot-swappable SATA Drives |
| Networking | Ethernet Controller | Intel I350 |
| | On-Board LAN | 2x RJ-45/GbE |
| PCI Expansion Slots | Number of Slots/Gen/Speed (Size) | |
| | 2x PCIe Gen3 x16 (GPU), 2x PCIe Gen3 x8 (LP), 2x OCP Mezzanine | |

| FEATURE | TECHNICAL SPECIFICATIONS |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GPU: | GPU Capable: Yes |
| Supported GPUs: | NVIDIA® A100 PCIe, NVIDIA® V100/V100S PCIe, NVIDIA® T4, NVIDIA® RTX |
| External I/O Interfaces | USB Ports: 2x USB 3.0 VGA Ports: Yes Serial Ports: None |
| Supported Operating Systems: | RHEL Cent OS |
| Power System | Power Supply Size: 2x 1200W PSU, 80Plus Platinum |
| Regulatory Compliance | Regulations: CE, FCC |
| 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 & Weight | Height: 3.44" Width: 16.93" Depth: 28.00" Machine Weight: Approximately 55 lbs. Shipping Weight: Approximately 65 lbs. |
| Warranty | 3 Year Standard; Up to 4 years on-site available |

Learn More

Configure your ideal server at 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).

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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.

