

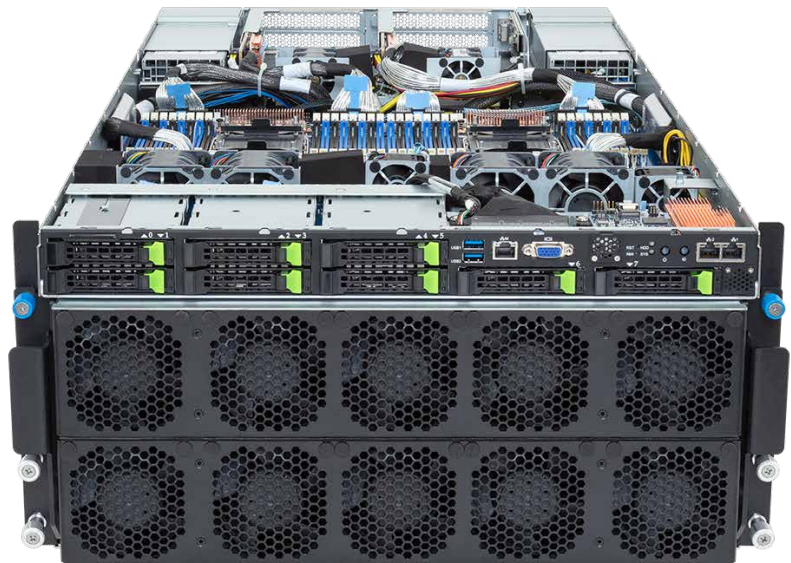
Relion XE5318GTO GPU Server

Dense GPU Support with Maximum P2P Performance
with AMD MI300X w/ Infinity Fabric Technology

Key Features

- ▶ Dual 4th Gen Intel® Xeon® Scalable Processors
- ▶ Up to 32 DDR5-4800 MT/s memory modules to deliver speed and efficiency for data-intensive workloads
- ▶ Storage density for up to 8x 2.5" hot-swap drive bays with SATA and NVMe support
- ▶ Supports up to 8 x AMD MI300X OAM GPUs

Graphics Processing Units (GPUs) have quickly established themselves as the computing tools of the future. As the demands of advanced applications place on Central Processing Units (CPU) increase, GPUs can offload compute-intensive functions from CPUs and accelerate your time-to-results. The Penguin Computing Relion® XE5318GTO server is built on the latest GPU technology to offer even greater levels of performance and speed to process intense amounts of data with the least amount of latency.



Technical Specifications

Form Factor

Form factor	5U Rackmount
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Processors

Processor Number	2
Processor Type	4th Gen Intel® Xeon® Scalable Processors
Maximum TDP	350W

Motherboard

Chipset	Intel® C741 Chipset
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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	DDR5-4800 MT/s
Memory Capacity	Up to 8TB DDR5-4800 MT/s (32 DIMMs)

Storage System

Hard Drive Bays	SATA/U.2 NVMe (2.5")	8 Hot-Swappable Bays
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Networking

Ethernet Controller	Intel® X710-AT2
On-Board LAN	2x 10GbE/RJ45

PCI Expansion Slots

Number of Slots/Gen/Speed (Size)	12x PCIe Gen5 x16 LP Slots, 1x PCIe Gen4 x16 LP Slot
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GPU

GPU Capable	Yes, 8x AMD MI300X
GPU Supported	AMD Instinct MI300X

External I/O Interfaces

USB Ports	2x USB 3.2 Gen1
Video Output	1x VGA

Supported Operating System

Supported OS	RHEL, Rocky
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Power System

Power Supply Size	6x 3000W 80Plus Titanium
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Regulatory Compliance

Regulations	CE, FCC
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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	8.75 inches
Width	17.60 inches
Depth	37.20 inches
Warranty	
Warranty	3 Year Standard; Up to 4 years on-site available



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