

# Relion<sup>®</sup> XE2318GT GPU Server

High-efficiency 2U server with dense GPU support for maximum uptime supporting latest 4<sup>th</sup> Gen Intel<sup>®</sup> Scalable Processors

## Key Features

- ▶ Dual 4<sup>th</sup> Gen Intel<sup>®</sup> Xeon<sup>®</sup> Scalable Processors
- ▶ Up to 24 DDR5-4800MHz ECC memory modules to deliver speed and efficiency for data-intensive workloads
- ▶ Supports up to 8 double slot GPUs and 2x PCIe Gen5 low-profile cards
- ▶ Storage for up to 8 x 2.5" SATA hot-swap drive bays with an option for 4 x U.2 NVMe

As more organizations look to grow their compute capabilities, they look to GPU accelerators to do so. Deploying GPU's allows you to offload compute-intensive functions from CPUs, massively improving processing times. This is why workloads like artificial intelligence and deep learning, which need immense computing resources to process extreme amounts of data, benefit from GPU density. The Penguin Computing<sup>™</sup> Relion<sup>®</sup> XE2318GT server packs 8 GPUs in a 2U rackmount form factor along with two 4<sup>th</sup> Gen Intel<sup>®</sup> Xeon<sup>®</sup> Scalable Processors. Choose the Relion<sup>®</sup> XE2318GT server to power data-intensive workloads that need the computing power of GPU accelerators.



## Technical Specifications

### Form Factor

Form factor	2U Rackmount
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### Processors

Processor Number	2
Processor Type	4 <sup>th</sup> Gen Intel® Xeon® Scalable Processors
Maximum TDP	225W

### 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	DDR5-4800MHz
Memory Capacity	Up to 6TB DDR5-4800MHz (24 DIMMs)

### Storage System

Hard Drive Bays	SATA (2.5")	4 Hot-Swappable Bays
	SATA/U.2 NVMe (2.5")	4 Hot-Swappable Bays

### Networking

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

### PCI Expansion Slots

Number of Slots/Gen/Speed (Size)	8x PCIe Gen5 x16 FHFL (GPU), 2x PCIe Gen5 x8 LP
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### GPU

GPU Capable	Yes
GPU Supported	NVIDIA H100 PCIe

### 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	2x 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	3.44 inches
Width	17.64 inches
Depth	31.50 inches
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 **SGH**™ 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.



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