RELION XE4218GT SERVER
HIGH DENSITY GPU SERVER FOR THE MOST DEMANDING AI AND HPC WORKLOADS

PENGUIN COMPUTING

OVERVIEW

The Penguin Computing Relion® XE4218GT server is a high density 4U 8x PCIe Gen4 GPU server powered by dual socket Intel® Xeon® Scalable Processors with support for Intel® Optane™ 200 series persistent memory. Data-intensive workloads such as artificial intelligence and deep learning will benefit from the Relion XE4218GT's ability to combine 8x PCIe Gen4 slots dedicated for GPU and DPU with persistent memory technology.

FEATURES & BENEFITS

- Dual Intel® Xeon® Scalable Processors per node at up to 240W~270W each for performance configurations
- Up to 4TB DDR4-3200MHz / 10TB with Intel® Optane™ 200 persistent memory (32x DIMMs) per node to deliver speed and efficiency for data-intensive workloads
- Storage density for up to 12 x 2.5" Hot-swap SATA (Up to 8 x U.2/U.3 NVMe) per node
- Up to three PCI Express x16 Gen 4 low profile slot and one OCP3.0 x16 Gen4

FEATURE	TECHNICAL SPECIFICATIONS	
Form Factor	4U Rackmount	
Processors	Processor Number:	2 per node / 8 total
	Processor Type:	Intel® Xeon® Scalable Processors
Motherboard	Chipset:	Intel® C621A Chipset
Board Management	BMC Chipset:	ASpeed AST2500
	Dedicated BMC Interface:	Yes
	IPMI 2.0:	Yes
Memory	Memory Type:	DDR4-3200MHz ECC
	Memory Capacity:	Up to 10TB (16x128G DDR4 + 512G PMEM 200 Series)
Hard Drive Bays	2.5": 12 x 2.5" Hot-swap SATA (Up to 8 x U.2/U.3 NVMe)	
Networking:	Ethernet Controller:	Intel® X550
	On-Board LAN:	2x 10GbE/RJ45
PCIe Expansion Slots:	Number of Slots/Gen/Speed (Size)	
	3x PCIe x16 + 1x OCP3.0 x16 Gen4	

FEATURE	TECHNICAL SPECIFICATIONS	
GPU	GPU Capable:	Yes
Supported GPUs	Nvidia® A100, A30, A40, A10	
External I/O Interfaces	Serial Ports:	None
	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
Power System	Power Supply Size:	3x 2200W 80Plus Platinum
Regulatory Compliance	Regulations:	CE, FCC
Mounting Hardware	Rackmount Rails:	Standard Rails included
Operating Environment	Operating Temperature:	10C to 35C (50F to 95F)
	Non-operating Temperature:	-40°C to 60°C (-40F to 140F)
	Operating Relative Humidity:	8% to 80% (non-condensing)
	Non-operating Relative Humidity:	20% to 95% (non-condensing)
System Dimensions	Height: 6.93" Width: 17.64"	Depth: 34.65"
Warranty	3 Year Standard; Up to 4 years on-site available	

Learn More

Visit 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.