

RELION XE4218GT SERVER

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



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

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).

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 industry for over 20 years. Penguin 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.

