

RELION XE4118GTS

DENSE GPU SUPPORT AND MAXIMUM UPTIME FOR MASSIVELY PARALLEL WORKLOADS




OVERVIEW

Graphics Processing Units (GPUs) have quickly established themselves as the computing tools of the future. As the growth rate of Central Processing Unit (CPU) speeds slows down, GPUs can offload compute-intensive functions from CPUs and accelerate your time-to-results. Eight GPU's makes Penguin Computing's Relion® XE4118GTS ideal for anyone that needs to maximize compute power.

FEATURES & BENEFITS

- Up to eight SXM2 GPUs or coprocessors for maximum performance
- Enables massively parallel workloads using a dual root complex with four (4) high speed PCIe switches
- Dual Intel® Xeon® Scalable Processors at up to 205W with 24 DDR4-2666MHz (3TB) ECC memory modules deliver speed and efficiency for data-intensive workloads
- Four 2200W 80 Plus Titanium power supplies provide mission-critical uptime and industry-leading load efficiency

FEATURE	TECHNICAL SPECIFICATIONS		
Form Factor	4U Rackmount Form Factor		
Processors	Processor Number:2		
	Processor Type:		Intel® Xeon® Scalable Processors
	Maximum TDP:		165W
Motherboard	Chipset:	Intel Lewisburg C621 Express Chipset	
Board Management	BMC Chipset:	ASpeed AST2500	
	Dedicated BMC Interface:	RJ45	
	Shared BMC:	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)	
Internal Storage Controller	Onboard Controller:	Intel Lewisburg C621 Express Chipset	
Storage System	Hard Drive Bays	2.5": 10x Hotswap SAS/SATA Drives	
	Hard Drive Backplane:	12Gb	
Networking	Ethernet Controller	Intel I350-BT2	
	On-Board LAN	2x GbE/RJ45	
PCI Expansion Slots	Number of Slots/Gen/Speed (Size)		
	8x NVIDIA SXM2 (GPU), 2x PCIe Gen3 x16 (LP)		

FEATURE	TECHNICAL SPECIFICATIONS	
GPU	GPU Capable:	Yes
Supported GPUs	NVIDIA® Tesla® P100-SXM2, NVIDIA Tesla V100-SXM2	
External I/O Interfaces	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
	Serial Ports:	Yes
Power System	Power Supply Size:	4x 2200W 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	Height: 6.9" Width: 17.63" Depth: 34.64"	
Warranty	5 years warranty with on-site packages 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., and the cornerstone of SMART's newest business unit, Specialty Compute & Storage Solutions (SCSS).



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