RELION XE1114GT SERVER

A FAST, EXTREMELY DENSE 1U ACCELERATED SERVER FOR ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

PENGUIN COMPUTING

OVERVIEW

As more organizations face challenges growing their compute capabilities, they look to GPU accelerators to solve their problems. Deploying GPU's enables researchers to offload compute-intensive functions from CPUs, massively improving processing times. Artificial intelligence and deep learning workloads need immense computing resources to process extreme amounts of data, which benefit from GPU density. This is why the Penguin Computing Relion® XE1114GT server includes four (4) GPUs in a 1U rackmount form factor, while offering incredible CPU performance, with two Intel® Xeon® Scalable Processors. Choose the Relion XE1114GT server to accelerate your data-intensive workloads through the computing power of GPUs.

FEATURES & BENEFITS

- A dual root PCIe complex with two (2) GPUs or accelerators per CPU provides a balanced computing configuration
- Support for up to two (2) 2.5" hot-swap SAS/SATA/NVMe drive bays and a SATA DOM provide flexible direct storage options
- Up to two PCI Express x16 Gen 3 low profile slots provide additional connectivity expansion
- Maintain mission-critical uptime with two (2) 2000W 80 Plus power supplies

FEATURE	TECHNICAL SPECIFICATIONS	
Form Factor	1U Rackmount	
Processors	Processor Number:	2
	Processor Type:	Intel® Xeon® Scalable Processors
Motherboard	Chipset:	Intel Lewisburg C620 Series
Board Management	BMC Chipset:	ASpeed AST2500
	Dedicated BMC Interface:	RJ45
	IPMI 2.0:	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 C620 Series
Hard Drive Bays	2.5":	2x Hotswap SAS/SATA/SSD
Networking	Ethernet Controller	Intel I350
	On-Board LAN	2x RJ-45/GbE
PCI Expansion Slots	Number of Slots/Gen/Speed (Size)	
	4x PCIe Gen3 x16 (GPU), 2x PCIe Gen3 x16 (LP-MD2)	

FEATURE	TECHNICAL SPECIFICATIONS	
GPU:	GPU Capable:	Yes
Supported GPUs:	NVIDIA® A100 PCIe, NVIDIA® V100/V100S PCIe, NVIDIA® T4, NVIDIA® RTX™	
External I/O Interfaces	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
	Serial Ports:	None
Power System	Power Supply Size:	2x 2000W 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: 1.70" Width: 16.90" Depth: 35.40"	
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).**

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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.

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