

# RELION XE2114GT SERVER

## HIGH-EFFICIENCY 2U SERVER WITH DENSEGPU SUPPORT AND MAXIMUM UPTIME




### 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. The Penguin Computing® Relion® XE2114GT server includes four (4) GPUs in a 2U rackmount form factor, while offering incredible CPU performance, with two Intel® Xeon® Scalable Processors. Choose the Relion XE2114GT server to accelerate data-intensive workloads that need the computing power of GPUs.

### FEATURES & BENEFITS

- Up to four (4) GPUs or accelerators for high-density performance
- Delivers speed and efficiency with two Intel® Xeon® Scalable Processors at up to 150W each and up to 2TB DDR4-2933MHz ECC Memory
- Dual root PCIe complex with two (2) GPUs or accelerators per CPU provides a balanced computing configuration
- Up to eight (8) 3.5" hot-swap SAS/SATA drive bays and a SATA DOM provide flexible direct storage options

FEATURE	TECHNICAL SPECIFICATIONS	
<b>Form Factor</b>	2U Rackmount	
<b>Processors</b>	Processor Number:	2 
	Processor Type:	Intel® Xeon® Scalable Processors
<b>Motherboard</b>	Chipset:	Intel Lewisburg C620 Series Chipset
<b>Board Management</b>	BMC Chipset:	ASpeed AST2500
	Dedicated BMC Interface:	RJ45
<b>Memory</b>	Memory Type:	DDR4-2933MHz ECC, Intel® Optane™ DC Persistent Memory
	Memory Capacity:	Up to 2TB DDR4 / 4TB with Intel® Optane™ DC Persistent Memory (24x DIMMs)
<b>Hard Drive Bays</b>	3.5":	8x 3.5" Hot-swappable SAS/SATA Drives
	M.2 NVMe:	1x M.2 SATA
<b>Networking</b>	Ethernet Controller	Intel I350-AM2
	On-Board LAN	2x RJ-45/GbE
<b>PCI Expansion Slots</b>	Number of Slots/Gen/Speed (Size)	
	4x PCIe Gen3 x16 (GPU), 1x PCIe Gen3 x16 (LP), 1x PCIe Gen3 x8 (LP) (Proprietary Mezz)	

FEATURE	TECHNICAL SPECIFICATIONS	
<b>GPU:</b>	GPU Capable:	Yes
<b>Supported GPUs:</b>	NVIDIA® Tesla® V100, Tesla P100, Tesla P40, Tesla M40	
<b>External I/O Interfaces</b>	USB Ports:	2x USB 3.0 + 2x USB 2.0 (Front), 2x USB 3.0 (Rear)
	VGA Ports:	Yes
	Serial Ports:	None
<b>Power System</b>	Power Supply Size:	2x 1600W 80 Plus Platinum
<b>Regulatory Compliance</b>	Regulations:	BSMI, CCC, FCC(Class A)
<b>Mounting Hardware</b>	Rackmount Rails:	Standard Rails included
<b>Operating Environment</b>	Operating Temperature:	10C to 35C (50F to 95F)
	Non-operating Temperature:	40C to 70C (55F to 158F)
	Non-operating Relative Humidity:	20% to 90% (non-condensing)
<b>System Dimensions &amp; Weight</b>	Height: 3.5" Width: 17.3" Depth: 31.5"	
<b>Warranty</b>	3 year standard; Up to 4 years on-site available.	

## Learn More

Configure your ideal server at [www.penguincomputing.com](http://www.penguincomputing.com).

For pricing on your specific configuration, contact a representative by email at [sales@penguincomputing.com](mailto: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 with more than 2,500 customers in 40 countries across eight major vertical markets. 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., and the cornerstone of SMART's newest business unit, Specialty Compute & Storage Solutions (SCSS).



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