

# RELION X01114GT

HIGH-EFFICIENCY 20U SERVER WITH DENSE GPU SUPPORT AND MAXIMUM UPTIME




## OVERVIEW

As more organizations look to grow their compute capabilities, they look to GPU accelerators to do so. Deploying GPU's allows you to offload compute-intensive functions from CPUs, massively improving processing times. This is why workloads like artificial intelligence and deep learning, which need immense computing resources to process extreme amounts of data, benefit from GPU density. The Penguin Computing® Relion® X01114GT server packs 4 GPUs in a 10U Open Compute Project (OCP) form factor, while not sacrificing CPU performance, with two Intel® Xeon® Scalable Processors. Choose the Relion X01114GT to power data-intensive workloads that need the parallel computing power of GPU accelerators.

## FEATURES & BENEFITS

- Up to four (4) GPUs or coprocessors for high-density performance
- Delivers speed and efficiency with two Intel® Xeon® Scalable Processors at up to 165W each and up to 3TB DDR4-2933MHz ECC Memory
- Dual root complex with two (2) GPUs or coprocessors from each CPU for a balanced compute configuration
- Up to four (4) 2.5" hot-swap drive bays with SAS/SATA support and SATA DOM for a range of direct storage options
- Utilizes OCP specifications and OCP racks to minimize operational costs while maximizing performance

FEATURE	TECHNICAL SPECIFICATIONS	
<b>Form Factor</b>	10U Rackmount	
<b>Processors</b>	Processor Number:2	
	Processor Type:	
<b>Motherboard</b>	Chipset:	Intel Lewisburg C620 Series Chipset
<b>Board Management</b>	BMC Chipset:	ASpeed AST2500
	Dedicated BMC Interface:	RJ45
	IPMI 2.0:	Yes
<b>Memory</b>	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)
<b>Storage System</b>	Hard Drive Bays	2.5": 4x 2.5" SAS/SATA Drives
	Hard Drive Backplane:	12Gb
<b>Networking</b>	Ethernet Controller	Intel I350-BT2
	On-Board LAN	2x GbE/RJ45
<b>PCI Expansion Slots</b>	Number of Slots/Gen/Speed (Size)	
	4x PCIe Gen3 x16 (GPU), 2x PCIe Gen3 x16 (LP)	

FEATURE	TECHNICAL SPECIFICATIONS	
<b>GPU</b>	GPU Capable:	Yes
<b>Supported GPUs</b>	NVIDIA® Tesla® P100, NVIDIA Tesla V100	
<b>External I/O Interfaces</b>	USB Ports:	2x USB 3.0 (Front)
	VGA Ports:	Yes
	Serial Ports:	None
<b>Power System</b>	Power Supply Size:	4x 2200W 80Plus Platinum
<b>Regulatory Compliance</b>	Regulations:	UL, CE, FCC
<b>Mounting Hardware</b>	Rackmount Rails:	(OCP) Tundra ES Shelf
<b>Operating Environment</b>	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)
<b>System Dimensions</b>	Height: 1.65" Width: 21.00" Depth: 31.32"	
<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 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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