

RELION X02132G

A FAST, EXTREMELY DENSE 2U OCP SERVER FOR DATA-INTENSIVE WORKLOADS



OVERVIEW

As more organizations move to infrastructure based on the Open Compute Project (OCP), servers that comply with the highly-efficient OCP form factor design while also providing the performance necessary for modern storage needs are increasingly important. That's why the Penguin Computing Relion® X02132g includes 8 device-per-node density, fast and efficient memory modules, and powerful processors. Choose the Relion X02132g for your most demanding, data-intensive workloads while also improving your datacenter's efficiency, or as a basis for a Tundra® Extreme Scale HPC System.

FEATURES & BENEFITS

- A 20U, 3-Node OCP server with 8x U.2 NVMe devices per node for extreme density
- Supports two (2) Intel® Xeon® Scalable Processors at up to 145W each with 2TB of DDR4-2933MHz ECC memory for lightning-fast performance
- Up to 16 DDR4-2933MHz ECC memory modules per system delivers speed and efficiency for data-intensive workloads
- Up to 8 2.5" hot-swappable NVMe/SAS/SATA drive bays enable fast, direct storage

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	20U - 3 Node OpenRack Form Factor
Processors	Processor Number: 2 Processor Type: Intel® Xeon® Scalable Processors Maximum TDP: 135W
Motherboard	Chipset: Intel Lewisburg C620 Series
Board Management	BMC Chipset: ASpeed AST2500 Dedicated BMC Interface: RJ45
Memory	Memory Type: DDR4-2933MHz ECC, Intel® Optane™ DC Persistent Memory Memory Capacity: Up to 2TB DDR4 / 4TB with Intel® Optane™ DC Persistent Memory (16x DIMMs)
Internal Storage Controller	Onboard Controller: Intel Lewisburg C620 Series
Storage System	Hard Drive Bays 4x U.2 NVMe Hotswap, 4x U.2 NVMe Fixed Hard Drives
Networking	Ethernet Controller: Intel X550 On-Board LAN: 2x 10GbE/RJ45
PCI Expansion Slots	Number of Slots/Gen/Speed (Size) 1x PCIe Gen3 x16 (LP), 1x PCIe Gen3 x8 (LP), 1x OCP Mezzanine Expansion Slots

FEATURE	TECHNICAL SPECIFICATIONS	
GPU	GPU Capable:	No
External I/O Interfaces	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
	Serial Ports:	None
Mounting Hardware	Open Rack:	Open Rack Shelf
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: 3.30" Width: 6.93" Depth: 31.32"	
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.

