

RELION X01132E SERVER

A FAST, EXTREMELY DENSE ONE-THIRD WIDTH, 10U 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 HPC needs are increasingly important. That's why the Penguin Computing Relion® X01132e server includes flexible storage options, fast and efficient memory modules, and powerful processors. Choose the Relion X01132e 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 flexible 10U, One-Third Width OCP server, ideal for general purpose HPC workloads
- 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 DDR4-2666MHz ECC memory modules per system delivers speed and efficiency for data-intensive workloads
- Various NVMe/SAS/SATA drive options enable fast, direct storage tailored to your workload

FEATURE	TECHNICAL SPECIFICATIONS	
Form Factor	20U - 3 Node OpenRack	
Processors	Processor Number:	2
	Processor Type:	Intel® Xeon® Scalable Processors
Motherboard	Chipset:	Intel Lewisburg C620 Series Chipset
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)
Storage System	Hard Drive Bays	2x SAS/SATA/SSD, 1x M.2 SATA
Networking	Ethernet Controller	Intel X550
	On-Board LAN	2x GbE/RJ-45 or 2x 10GbE/SFP+
PCI Expansion Slots	Number of Slots/Gen/Speed (Size)	
	2x PCIe Gen3 x16 (LP)	

FEATURE	TECHNICAL SPECIFICATIONS	
GPU	GPU Capable:	No
External I/O Interfaces	USB Ports:	2x USB 3.0
	VGA Ports:	No
Mounting Hardware	Rackmount Rails:	(OCP) Tundra® ES 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: 1.69" Width: 6.93" Depth: 31.22"	
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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