RELION XE2112

A VERSATILE, SCALABLE 2U SERVER FOR DATA CENTER AND HPC WORKLOADS

PENGUIN COMPUTING

OVERVIEW

Modern data centers need flexible computing resources that can be deployed at scale. The Penguin Computing Relion® XE2112 provides dual Intel® Xeon® Scalable processors, fast and efficient memory, and up to 24 2.5" drive bays for flexible and dense storage. With powerful compute and dense storage in a single server, the Relion XE2112 is an optimal platform for data center and HPC deployments at scale.

FEATURES & BENEFITS

- Dual Intel® Xeon® Scalable Processors at up to 205W each for performance configurations
- Up to twenty-four (24) DDR4-2933MHz ECC memory modules to deliver speed and efficiency for data-intensive workloads
- Storage density for twelve (12) 3.5" hot-swap or twenty-four (24) 2.5" hot-swap drive bays with SAS/SATA and NVMe support
- Up to eight (8) PCI Express x16 Gen 3 full height half length slots plus two (2) OCP mezzanine slots for additional connectivity

FEATURE	TECHNICAL SPECIFICATIONS	
Form Factor	2U Rackmount	
Processors	Processor Number:	2
	Processor Type:	Intel® Xeon® Scalable Processors
	Maximum TDP:	205W
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 3TB DDR4 / 6TB with Intel® Optane™ DC Persistent Memory (24x DIMMs)
Internal Storage Controller	Onboard Controller:	Intel Lewisburg C620 Series
Hard Drive Bays	3.5":	12x Hotswap SAS/SATA
	2.5":	24x Hotswap (20x SAS/SATA, 4x SAS/SATA/U.2 NVMe)
	U.2 NVMe (2.5"):	24x Hotswap U.2 NVMe Chassis
	Boot Drives:	2x Hotswap SAS/SATA
Networking	Ethernet Controller	Intel I350
	On-Board LAN	2x RJ-45/GbE
PCI Expansion Slots	Number of Slots/Gen/Speed (Size)	
	8x PCIe Gen3 x8 (LP) or 3x PCIe Gen3 x16 (LP), 2x PCIe Gen3 x8 (LP)	

FEATURE	TECHNICAL SPECIFICATIONS	
GPU:	GPU Capable:	No
External I/O Interfaces	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
	Serial Ports:	None
Power System	Power Supply Size:	2x 1200W PSU, 80Plus Platinum or 2x 1600W PSU, 80Plus Platinum (NVMe)
Regulatory Compliance	Regulations:	CE, FCC
Mounting Hardware	Rackmount Rails:	Tool-less Rails
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: 3.44" Width: 16.90" Depth: 28.00"	
Warranty	3 Year Standard; Up to 5 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).**

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.

@penguinhpc   @penguincomputing   Penguin Computing   Penguin Computing