

RELION XE2142eAP SERVER

A HIGH DENSITY, SCALABLE 2U - 4 NODE SERVER
OPTIMIZED SOLUTION FOR HPC AND AI



OVERVIEW

Modern data centers require flexible computing resources that can be deployed at scale. The Penguin Computing Relion® XE2142eAP server provides dual Intel® Xeon® Series Processors per node, up to 24 DDR4 DIMM slots per node, and up to two M.2 NVMe drives for flexible and dense storage. With powerful compute and dense storage in a single server, the Relion XE2142eAP server is an optimal platform for data center and HPC deployments at scale.

FEATURES & BENEFITS

- Dual Intel® Xeon® Scalable Processors
- Up to 3TB DDR4-2933MHz / 6TB with Intel® Optane™ DC Persistent Memory across 24 DIMM slots
- Up to 2x M.2 NVMe drives per node or up to 2x M.2 and 2x U.2 NVMe drives per node
- Up to two PCIe Gen3 x16 low profile slot

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	2U - 4 Node Rackmount
Processors	Processor Number: 2 per node / 8 total Processor Type: Intel® Xeon® Scalable Processors
Motherboard	BMC Chipset: Intel Lewisburg C621 Express Series
Board Management	BMC Interface: ASpeed AST2500
Memory	Memory Type: DDR4-2933MHz ECC Memory Capacity: Up to 3TB DDR4-2933MHz (24x DIMMs)
Hard Drive Bays	M.2 NVMe: Up to two drives per node
Networking	Ethernet Controller: Intel® I210 On-Board LAN: 2x 1GbE/RJ45
PCI Expansion Slots	Number of Slots/Gen/Speed (Size): 2x PCIe Gen3 x16 (LP) per node

FEATURE	TECHNICAL SPECIFICATIONS	
GPU:	GPU Capable:	No
External I/O Interfaces	USB Ports:	None
	VGA Ports:	None
	Serial Ports:	None
Power System	Power Supply Size:	3x 2100W PSU 80Plus Platinum or 3x 1600W, 80Plus Titanium
Regulatory Compliance	Regulations:	EMEA, ASMO
Mounting Hardware	Rackmount Rails:	Standard Rails Included
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: 3.42" Width: 17.57" Depth: 35.83"	
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).

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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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