

RELION X01122eAP SERVER

HIGH-EFFICIENCY 10U SERVER UTILIZING
INTEL XEON SCALABLE PROCESSORS



OVERVIEW

As more organizations face challenges growing their compute capabilities, many are looking to the OCP form factor to improve their ROI. For researchers, scientists, and engineers working on compute-intensive projects, an OCP solution built for HPC is ideal. That's why the Penguin Computing Relion[®] X01122eAP is built on Intel[®] Xeon[®] Scalable Processors. Relion X01122eAP is designed for the most demanding workloads. With two nodes per system, a single Relion X01122eAP can include 224 cores per 10U. This solution works to accelerate data-intensive workloads that need immense computing power.

FEATURES & BENEFITS

- A 10U, 2-node server with up to 224 cores per server for general purpose HPC workloads
- Delivers speed and efficiency with two Intel[®] Xeon[®] Scalable Platinum Processors and up to 3TB DDR4-2933MHz ECC Memory
- Up to two (2) M.2 NVMe storage devices per node

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	10U - 2 Node OpenRack
Processors	Processor Number: 2 per node / 4 total Processor Type: Intel [®] Xeon [®] Scalable Processors
Motherboard	Chipset: Intel [®] Lewisburg C621 Series Chipset
Board Management	BMC Chipset: ASpeed AST2500 Dedicated BMC Interface: Yes
Memory	Memory Type: DDR4-2933MHz ECC Memory Capacity: Up to 3TB DDR4 per node
Storage Options	M.2 NVMe: Up to 2x M.2 per node
Networking	Ethernet Controller: Intel I210 On-Board LAN: 2x 1GbE/RJ45 per node + 4 x1GbE/RJ45 Shared LAN Ports
PCI Expansion Slots	Number of Slots/Gen/Speed (Size): 2x PCIe Gen3 x16 (LP) per node

FEATURE	TECHNICAL SPECIFICATIONS	
GPU:	GPU Capable:	No
Supported GPUs:	None	
External I/O Interfaces	USB Ports:	1x USB 3.0 per node (Front)
	VGA Ports:	Yes
	Serial Ports:	None
Power System	Power Supply:	OCP Rack V.2 (3 x 48V busbar)
Regulatory Compliance	Regulations:	N/A
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 & Weight	Height: 1.65" Width: 21.14" 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).

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 industry for over 20 years. Penguin 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.