Relion® XE2342 Server

A Versatile, Scalable 2U - 4 Node Server for Data Center and HPC Workloads

Key Features

▸ Dual Intel® Xeon® Scalable processors per node

▸ Up to 4TB DDR5-4800MHz (16x DIMMs) per node to deliver speed and efficiency for data-intensive workloads

▸ Storage density for up to eight or twenty-four 2.5" hot-swap drive bays with U.2/SATA support

▸ Two PCIe Gen5 x16 low profile slot plus one OCP mezzanine 3.0 slot per node for additional connectivity

Modern data centers need flexible computing resources that can be deployed at scale. The Penguin Computing® Relion® XE2342 server provides four individual nodes in a 2U form factor, each built with dual Intel® Xeon® Scalable processors, fast and efficient memory, and up to twenty-four 2.5" drive bays per chassis for flexible and dense storage. With powerful compute and dense storage in a single server, the Relion XE2342 server is an optimal platform for data center and HPC deployments at scale.

Technical Specifications

Form Factor

Form factor	2U - 4 Node Rackmount

Processors

Processor Number	2
Processor Type	Intel® Xeon® Scalable Processor, Sapphire Rapids (SPR)
Maximum TDP	225W~270W

Motherboard

Chipset	SoC

Board Management

BMC Chipset	ASpeed AST2600
Dedicated BMC Interface	RJ45
IPMI 2.0	Yes
Virtual Media Over LAN	Yes
KVM Over LAN	Yes
RedFish	Yes

Memory

Memory Type	DDR5-4800MHz
Memory Capacity	Up to 4TB per socket

Storage System

Hard Drive Bays	U.2 NVMe (2.5")	8~24x drive bays per chassis

Networking

Ethernet Controller	Intel i350-AT2
On-Board LAN	2x 1GbE/RJ45

PCI Expansion Slots

Number of Slots/Gen/Speed (Size)	2 x PCIe Gen5 x16 HHHL Per Node

Mezzanine Expansion Options

OCP Mezzanine	Storage OCP Mezz	N/A
	Network OCP Mezz	1x OCP3.0

Supported Operating System

Supported OS	RHEL, Rocky

Power System

Power Supply Size	2x 3000W 80Plus Platinum

Regulatory Compliance

Regulations	CE, FCC

Mounting Hardware

Rackmount Rails	Standard Rails included

Operating Environment	
Operating Temperature	10C to 35C (50F to 95F)
Non-operating Temperature	0C to 60C (32F to 140F)
Operating Relative Humidity	30% to 80% (non-condensing)
Non-operating Relative Humidity	20%-95% (non-condensing)
System Dimensions & Weight	
Height	3.44 inches
Width	17.32 inches
Depth	34.52 inches
Machine Weight	Approximately 84 lbs
Shipping Weight	Approximately 84 lbs
Warranty	
Warranty	3 Year Standard; Up to 4 years on-site available

Learn More

Visit www.penguincomputing.com to learn more about our servers.

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An **SGH**™ Brand

Penguin Solutions accelerates digital transformation with the power of emerging technologies in HPC, AI, and IoT with solutions and services that span the continuum of edge, core, and cloud.

Penguin Computing specializes in innovative and emerging technologies for the world's most demanding workloads.

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