ALTUS XE2242 SERVER

A VERSATILE, SCALABLE 2U - 4 NODE SERVER FOR DATA CENTER AND HPC WORKLOADS

OVERVIEW

Modern data centers need flexible computing resources that can be deployed at scale. The Penguin Computing Altus® XE2242 server provides dual AMD EPYC™ 7002/7003 Processors per node, fast and efficient memory, and up to 24 NVMe drive bays for flexible and dense storage. With support for PCIe Gen 4 and large storage capacity in a 2U form factor, the Altus XE2142 server is an optimal platform for large scale data center and AI deployments.

FEATURES & BENEFITS

- Dual AMD EPYC™ 7002/7003 Processors per node at up to 200W each for high-performance configurations
- Up to sixteen (16) DDR4-3200MHz ECC memory modules per node to deliver speed and efficiency for data-intensive workloads
- Storage density for twenty four (24) 2.5" hot-swap NVMe drives
- Up to two (2) PCI Express x16 Gen 4 low profile slots plus one (1) OCP mezzanine slots for additional connectivity

FEATURE	TECHNICAL SPECIFICATIONS	
Form Factor	2U - 4 Node Rackmount	
Processors	Processor Number:	2 per node / 8 total
	Processor Type:	AMD EPYC™ 7002/7003 Series Processors
Motherboard	Chipset:	SoC
Board Management	BMC Chipset:	ASpeed AST2500
	Dedicated BMC Interface:	Yes
	IPMI 2.0:	Yes
Memory	Memory Type:	DDR4-3200MHz ECC
	Memory Capacity:	Up to 4TB (16x DIMMs) per node
Storage System	Hard Drive Bays:	
	2.5": 24x Hotswap U.2 NVMe Drives (6 per node)	
	M.2 NVMe: Up to 2x M.2 Drives per node	
Networking:	Ethernet Controller:	Intel® I350
	On-Board LAN:	2x RJ-45/GbE
PCIe Expansion Slots:	Number of Slots/Gen/Speed (Size)	
	2x PCIe Gen4 x16 (LP), 1x OCP Mezz	

FEATURE	TECHNICAL SPECIFICATIONS	
GPU	GPU Capable:	No
External I/O Interfaces	Serial Ports:	None
	USB Ports:	2x USB 3.0
	VGA Ports:	Yes
Power System	Power Supply Size:	2x 2200W 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:	8% to 80% (non-condensing)
	Non-operating Relative Humidity:	20% to 95% (non-condensing)
System Dimensions & Weight	Height: 3.44" Width: 17.32"	Depth: 33.07"
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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