

ALTUS XE1212 SERVER

A VERSATILE, SCALABLE 1U 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® XE1212 Server provides dual AMD EPYC™ 7002/7003 Series Processors, fast and efficient memory, and up to ten (10) 2.5" drive bays for flexible and dense storage. With powerful compute and dense storage in a single server, the Altus XE1212 is an optimal platform for data center and HPC deployments at scale.

FEATURES & BENEFITS

- Dual AMD EPYC™ 7002/7003 Series Processors at up to 225W each for performance configurations
- Up to thirty-two (32) DDR4-3200 MHz ECC memory modules to deliver speed and efficiency for data-intensive workloads
- Storage density for ten (10) 2.5" hot-swap drive bays with SAS/SATA and NVMe support
- Up to two (2) PCI Express Gen 3 low profile slots plus two (2) OCP mezzanine slots for additional connectivity

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	1U Rackmount
Processors	Processor Number: 2 Processor Type: AMD EPYC™ 7002/7003 Series Processors
Motherboard	Chipset: SoC
Board Management	BMC Chipset: ASpeed AST2500 IPMI 2.0: Yes
Memory	Memory Type: DDR4-3200MHz ECC Memory Capacity: Up to 4TB (32x DIMMs)
Hard Drive Bays	2.5": 10x U.2 NVMe: 8x M.2 NVMe: 1x
Networking:	Ethernet Controller: Intel® I350 On-Board LAN: 2x GbE/RJ45
PCIe Expansion Slots:	Number of Slots/Gen/Speed (Size) 2x PCIe Gen4 Full Height Half Length x16 (FHHL), 1x OCP Mezz 2.0 x8, 1x OCP Mezz 3.0 x16

FEATURE	TECHNICAL SPECIFICATIONS		
GPU	GPU Capable:	No	
External I/O Interfaces	Serial Ports:	None	
	USB Ports:	3x USB 3.0	
	VGA Ports:	Yes	
Power System	Power Supply Size:	2x 1200W 80Plus Platinum	
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: 1.69"	Width: 17.2"	Depth: 28.7"
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 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.

