

Altus[®] XE2342 Server

An All New, Scalable 2U - 4 Node Server for High Performance Compute Workloads

Key Features

- ▶ Dual AMD EPYC[™] 9004 processors per node at up to 240W each for high-performance configurations
- ▶ Up to 24 DDR4-4800MHz ECC memory modules per node to deliver speed and efficiency for data-intensive workloads
- ▶ Storage density up to 24 x 2.5" hot-swap drive bays with U.2 NVMe support
- ▶ Up to two PCIe x16 Gen 5 low-profile slots plus one OCP mezzanine slot for additional connectivity

Modern data centers need flexible computing resources that can be deployed at scale. The Penguin Computing[®] Altus[®] XE2342 server provides dual AMD EPYC[™] 9004 processors per node, fast and efficient memory, and up to 24 NVMe drive bays for flexible and dense storage. With support for PCIe Gen 5 and large storage capacity in a 2U form factor, the Altus XE2342 server is an optimal platform for large scale data center and AI deployments.



Technical Specifications		
Form Factor		
Form factor	2U - 4 Node Rackmount	
Processors		
Processor Number	2 Per Node / 8 Total	
Processor Type	EPYC 9004	
Maximum TDP	TDP Up to 280W	
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 6TB/Socket	
Storage System		
Hard Drive Bays	U.2 NVMe (2.5")	2x NVMe U.2 Per Node
Networking		
Ethernet Controller	Intel® i350-AT2	
On-Board LAN	2x 1GbE/RJ45 Per Node	
PCI Expansion Slots		
Number of Slots/Gen/Speed (Size)	2x PCIe Gen5 x16 HHHL Per Node	
Mezzanine Expansion Options		
OCP Mezzanine	Storage OCP Mezz	N/A
	Network OCP Mezz	1x PCIe Gen5 x16 OCP3.0 Slot Per Node
External I/O Interfaces		
USB Ports	2 x USB 3.0 Per Node	
VGA Ports	1x MiniDP Per Node	
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.

ABOUT PENGUIN SOLUTIONS

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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