

ALTUS X01232G



A FAST, EXTREMELY DENSE 1U, 1/3 WIDTH OCP SERVER FOR DATA-INTENSIVE WORKLOADS



OVERVIEW

As more organizations move to infrastructure based on the Open Compute Project (OCP), servers that comply with the highly-efficient OCP form factor design while also providing the performance necessary for modern HPC needs are increasingly important. That's why the Penguin Computing Altus® X01232g includes flexible storage options, fast and efficient memory modules, and powerful processors. Choose the Altus X01232g for your most demanding, data-intensive workloads whileU, 1/3 also improving your data center's efficiency, as a basis for a Tundra® ExtremeScale HPC System.

FEATURES & BENEFITS

- A flexible 10U, 3-Node OCP server, ideal for general purpose HPC workloads
- Supports two (2) AMD EPYC® 7002/7003 Processors from 240W to 280W each (depending on air or direct to chip liquid cooling system) with 2TB of DDR4-3200MHz ECC memory for lightning-fast performance
- Up to sixteen (16) DDR4-3200MHz ECC memory modules per node to deliver speed and efficiency for data-intensive workloads
- Various NVMe/SAS/SATA drive bay options enable fast and direct storage tailored to your workload

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	10U - 3 Node OpenRack
Processors	Processor Number: 2 Processor Type: AMD EPYC™ 7002/7003 Processors
Motherboard	Chipset: SoC
Board Management	BMC Chipset: ASpeed AST2500 Dedicated BMC Interface: RJ45
Memory	Memory Type: DDR4-2666MHz ECC Memory per node Memory Capacity: Up to 2TB (16x DIMMs)
Hard Drive Bays	U.2 NVMe (2.5"): 2x M.2 NVMe (2.5") 2x 2.5": 2x Fixed SAS/SATA/SSD
Networking:	Ethernet Controller: Intel® I350 On-Board LAN: 2x GbE/RJ-45
PCIe Expansion Slots:	Number of Slots/Gen/Speed (Size) 1x PCIe Gen3 x16 (LP), 1x PCIe Gen3 x8 (LP), 1x OCP Mezzanine Expansion Slots

FEATURE	TECHNICAL SPECIFICATIONS		
Mezzanine Options:	Storage:	LSI3008 Int.	
	Network:		
	Dual 10G/SFP+ (BCM57810S)		
	Single 10G/SFP+ (BCM57811)		
	Dual 10G/SFP+ (Intel 82599ES)		
	Single 10G/SFP+ (Intel 82599EN)		
External I/O Interfaces	USB 3.0:	2x	
	VGA Ports:	No	
Mounting Hardware	Open Rack:	Open Rack Shelf	
Operating Environment	Operating Temperature:	15C to 35C (59F to 95F)	
	Non-operation Temperature:	-40C to 60C (-40F 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: 7"	Depth: 35"
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.