

ALTUS X01214GT

HIGH-EFFICIENCY 10U 4 GPU SERVER UTILIZING AMD EPYC™ 7002/7003 SERIES PROCESSORS



OVERVIEW

As more organizations face challenges growing their compute capabilities, many are looking to the OCP form factor to improve their ROI. For researchers, scientists, and engineers working on compute-intensive projects, an OCP solution built for HPC is ideal. That's why the Penguin Computing Altus® X01214GT is built on the AMD EPYC™ 7002/7003 Series Processors. Altus X01214GT supports the NVIDIA® A100 GPU and the AMD Radeon™ Instinct™ MI100, letting customers choose the right GPU-acceleration for their workloads. This solution works to accelerate data-intensive workloads that need immense computing power.

FEATURES & BENEFITS

- Supports two (2) AMD EPYC™ 2nd Gen Processors at up to 240W each with Air Cool and up to 4TB of DDR4-3200MHz memory for lightning performance.
- Two PCIe GPUs per CPU provide balanced workloads.
- Up to 32x DDR4-3200MHz ECC memory modules per Altus® X01214GT delivers speed and efficiency for data-intensive workloads.
- Four 2.5" hot-swap drive bays supporting SATA/U.2 PCIe Gen4 NVMe for fast direct storage.

FEATURE	TECHNICAL SPECIFICATIONS
Form Factor	10U
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: 32x DIMMs
Storage Options	SATA/SAS/U.2: 4x 2.5"
PCI Expansion Slots	Number of Slots/Gen/Speed (Size):
	2x HHHL PCIe (Gen4 x16) slot

FEATURE	TECHNICAL SPECIFICATIONS	
GPU:	GPU Capable:	Yes
	Supported GPUs:	NVIDIA® A100 PCIe AMD M100
External I/O Interfaces	USB Ports:	2x USB 3.0 [Front]
	VGA Ports:	1x
	Serial Ports:	None
Power System	Power Supply Size:	Open Rack V.2 (3 x 12V Busbar)
Regulatory Compliance	Regulations:	CE, FCC
Mounting Hardware	(OCP) Tundra ES Shelf	
Operating Environment	Operating Temperature:	15C to 35C (59F to 95F)
	Non-operating Temperature:	-40C to 60C (-40F to 140F)
	Operating Relative Humidity:	90% (non-condensing)
	Non-operating Relative Humidity:	20% to 95% (non-condensing)
System Dimensions	Height:	1.83"
	Width:	21.14"
	Depth:	41.46"
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.

