

ALTUS X03218GTS

HIGH-EFFICIENCY 30U 8 GPU SERVER FOR THE MOST DEMANDING AI AND ANALYTICS WORKLOADS



OVERVIEW

As more organizations integrate Artificial Intelligence and Machine Learning to their workflows, a powerful GPU platform is key to enabling these applications. The Altus X03218GTS is a cutting edge system, utilizing the OCP form factor to provide extreme density at the rack level. With support for eight NVIDIA A100 GPUs in NVIDIA HGX baseboard, this AMD-based system benefits from OCP's infrastructure benefits, including 48V power, along with direct-to-chip liquid cooling to provide more compute and acceleration capabilities in a smaller footprint. Altus X03218GTS is a perfect option for organizations looking to support their teams most demanding workflows.



FEATURES & BENEFITS

- A 30U, 8 GPU server with support for NVIDIA® A100 GPUs and AMD® EPYC CPUs
- Delivers speed and efficiency with dual AMD EPYC 7002 series processors and 32 3200MHz DDR4 DIMMs
- Up to eight (8) U.2 NVMe storage devices

| FEATURE | TECHNICAL SPECIFICATIONS |
|---------------------|--|
| Form Factor | 30U |
| Processors | Processor Number: 2 Processor Type: AMD® EPYC® 7002 Series |
| Memory | Memory Type: DDR4-3200MHz ECC Memory Capacity: 32 DIMMs |
| Storage Options | SATA/SAS/U.2: 8x 2.5" |
| PCI Expansion Slots | Number of Slots/Gen/Speed (Size): 10x HHHH PCIe (Gen4 x16) slot |
| GPU Capable: | Yes |
| Supported GPUs: | NVIDIA A100 |
| Power System | Power Supply: OCP Rack V.2 (3 x 48V busbar) |

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).

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 with more than 2,500 customers in 40 countries across eight major vertical markets. 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., and the cornerstone of SMART's newest business unit, Specialty Compute & Storage Solutions (SCSS).

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ALTUS X01214GT

HIGH-EFFICIENCY 10U 4 GPU SERVER UTILIZING
AMD EPYC 7002 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 series processor. 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

- A 10U, 4 GPU server with support for NVIDIA® A100 GPUs and AMD® EPYC CPUs
- Delivers speed and efficiency with dual AMD EPYC 7002 series processors and 32 3200MHz DDR4 DIMMs
- Up to four (4) M.2 NVMe storage devices

| FEATURE | TECHNICAL SPECIFICATIONS |
|---------------------|---|
| Form Factor | 10U |
| Processors | Processor Number: 2 Processor Type: AMD® EPYC® 7002 Series |
| Memory | Memory Type: DDR4-3200MHz ECC Memory Capacity: 32 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 |
| GPU Capable: | Yes |
| Supported GPUs: | NVIDIA A100, AMD Radeon Instinct MI100 |
| Power System | Power Supply: OCP Rack V.2 (3 x 12V busbar) |

Learn More

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