



TACTICAL ATMOS EDGE NODE

Rugged ATMOS

The Rugged ATMOS is a compact, mission-scalable solution designed for critical mobile operations, reducing the space needed for computing by over 10x. Each ATMOS node features 32 physical Intel® Xeon® Gold cores with onboard UPS battery backup for uninterrupted C2 on-the-move.

The integrated chassis rail system secures the nodes together, eliminating the need for an outer transit case and enables the stacking of unlimited independent ATMOS nodes, creating a powerful, portable data center. The ATMOS server features the smallest form factor with the highest CPU core count in the industry.

- Onboard UPS battery backup
- Tested to meet military standards
- Built in the USA

Key Features

- 32 Intel® Xeon® Total Cores
- Up to 2TB DDR4 ECC RAM
- 4x NVME Hot-Swap SSD Drives
- 6x 10G onboard NIC Ports
- NVIDIA L4 Tensor Core GPU Card
- TPM 2.0 Module
- Onboard UPS Battery Backup
- 24VDC power input
- Stackable Rugged MIL-Spec Chassis





Technical Specifications

Dimensions

Height: 3.8 inches, Width: 11.5 inches, Depth: 15.00 inches

CPU

32 Intel Xeon Total Cores

RAM

Up to 2TB DDR4 ECG RAM

GPU Support

NVIDIA L4 Tensor Core GPU Card

Security

TPM 2.0 Module

Network

6× 10G Independent Controller NIC Ports

Power

Onboard UPS Battery Backup

Power Supply

28VDC Power Input

Storage

4× 15.36TB NVME Hot-Swap SSD Drives

Chassis

Stackable Rugged MIL-Spec Chassis

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -55°C to +85°C

Humidity

MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude

MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration

MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-2000Hz, 60 min/axis

Shock

MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC

MIL-STD-461F: CE & RE emissions

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Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

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