



## TACTICAL ATMOS EDGE NODE

### Rugged ATMOS-Compute

The Rugged ATMOS-Compute node is a compact, mission-scalable solution designed for critical mobile operations, reducing the space needed for computing by over 10x. Each ATMOS-Compute node features 32 physical Intel® Xeon® Gold cores, up to 2TB of RAM and comes 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

- 32x Physical Xeon® Gold Scalable Cores
- Up to 2TB ECC RAM
- 4x NVME Hot-Swap SSD Drives
- 4-Port 1GB NIC card
- Onboard UPS Battery Backup
- Rugged MIL-Spec Chassis
- Native 24-28VDC Power Input
- Optional AC-DC External Power Supply
- Stackable Chassis Rail System





## Technical Specifications

### Dimensions

Height: 3.5 inches, Width: 8.5 inches, Depth: 14.75 inches

### CPU

32 Intel Xeon Total Cores

### RAM

Up to 2TB per node

### Security

TPM 2.0 Module

### Network

1x 4-Port 10G NIC Card

2x 10G Onboard NIC Ports

### Power

Onboard UPS Battery Backup

### Power Supply

Native 24-28VDC Power Input

### Storage

4x 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: -15°C to +55°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

## Work With Core Systems Today

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.

### Core Systems

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