CORE SYSTEMS



TACTICAL ATMOS2 CDS SERVER

Rugged ATMOS2 CDS

The **Rugged ATMOS2 CDS Server** from Core Systems redefines military-grade performance and security, built to meet the rigorous demands of defense and intelligence agencies like the NSA.

Engineered for mission-critical operations, it offers powerful computing, rugged durability, and enhanced security for extreme environments. Its compact, stackable design reduces computing space by over 10x, while an onboard UPS battery backup ensures uninterrupted command and control. The ATMOS2 CDS Tactical Node enables seamless data transfer, secure multi-domain communication, and rugged reliability. The Rugged ATMOS2 CDS Node is the ideal solution for military and government missions.

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

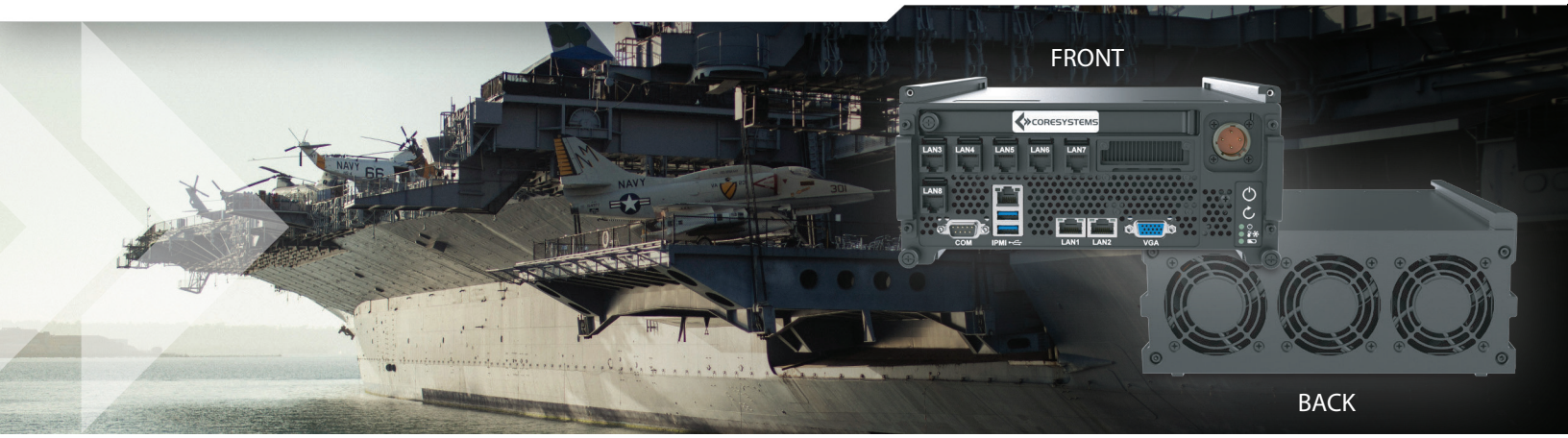
Featured Specifications

- 64, 96 or 144 Physical Xeon® Cores
- Up to 2TB ECC RAM
- 2x NVME Hot-Swap SSD Drives
- NVIDIA L4 GPU Card
- 7x Physically Independent Ethernet Ports
- Onboard UPS Battery Backup
- Rugged MIL-Spec Chassis
- Stackable Chassis Rail System
- Native 24-28VDC Power Input
- Optional AC-DC External Power Supply

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Technical Specifications

Dimensions
Height: 3.75 inches, Width: 8.5 inches, Depth: 14.75 inches
Weight: 13 lbs

CPU
64x, 96x or 144x Intel® Xeon® Cores

RAM
Up to 2TB DDR4 ECC

GPU
NVIDIA L4 Tensor Core GPU Card

Security
TPM 2.0 Module

Network
7× 1GB Independent Controller NIC Ports

Power
28VDC Power Input

Storage
2x NVME Hot-Swap SSD Drives

Chassis
Stackable Rugged MIL-Spec Chassis

EXT Power
AC/DC Power Brick

UPS
Integrated Battery Backup

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

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 Procedure I; 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.



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