CORE SYSTEMS

RUGGED M112 SERVER

Military-Grade 1U Short-Depth Server

The **M112** is a rugged 1U server designed for applications with a maximum 12-inch depth requirement. Built with an all-aluminum chassis, it's SWaP-Optimized for military use and tested for durability in harsh environments. Featuring shock-mounted, hot-swap drives and a shock-mounted DVDRW, it's engineered for reliability in mobile and mission-critical settings.

Equipped with the latest Intel Xeon Scalable processors and NVIDIA GPU cards, the M112's application-specific, military-grade design includes transit options for easy deployment. Fully customizable to meet your mission's needs, the M112 sets the standard for rugged, short-depth server solutions.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

CPU
Latest Intel Xeon Scalable Processor

GPU
Latest NVIDIA GPU Graphics Card

RAM
Up to 2TB

Power
Power options available

Chassis Type
Aircraft-Grade Aluminum

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Technical Specifications

Dimensions
Height: 1.75 inches, Width: 19.00 inches, Depth: 12.00 inches
Weight: 15-21 lbs

CPU
Latest Intel Xeon Scalable Processor

GPU
Latest NVIDIA GPU Graphics Card

RAM
Up to 2TB

Expansion Slots
Qty: 1, full height

External Bays
Qty: 2

USB Ports
Qty: 4

PCIE Expansion
Multiple slot combinations available

Power Supply
28VDC, 400W AC

System Board
Extended ATX Motherboard

Storage SSD
Up to 15.36TB NVMe

Chassis
Lightweight aluminum chassis

Enviromental 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, 5-20000Hz, 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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