



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



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

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, 5-20000Hz, 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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