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### **RUGGED M110S SERVER**

### Military-Grade 1U Short-Depth Server

The **M110S** is a rugged 1U server designed for ultra-short-depth deployments with a maximum 10-inch depth. Built with a robust all-aluminum chassis, it's SWaP-optimized for military, aerospace, and industrial platforms where space and weight are critical. Shock-mounted, hot-swappable drives and secure cable management ensure reliability and easy maintenance in mission-critical environments.

Powered by the latest Intel® Xeon® scalable processors and supporting NVIDIA GPUs, the M110S delivers exceptional compute and graphics performance in a compact, field-ready design. With custom power options, this MIL-SPEC tested server is an ideal solution for rugged edge deployments and tactical systems.

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

# **Featured Specifications**

### CPU

Latest Intel Xeon Scalable Processor

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: 10.00 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.





