



## RUGGED M122S SERVER

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

The **M122S** is a rugged 1U server built with aircraft-grade, all-aluminum construction for short-depth, mission-critical applications. Tested to meet MIL-STD-810 and MIL-STD-461 standards, it delivers military-grade durability to perform reliably in the harshest environments. Powered by the latest Intel® Xeon® processors, the M122S offers exceptional compute performance in a compact chassis.

Its flexible design includes a full-height PCIe slot for expansion, AC or 28VDC power options, and a 22-inch depth for easy integration into space-constrained deployments. Ideal for tactical, mobile, and rugged enterprise operations, the M122S ensures high performance and dependable operation where it matters most.

- 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: 17.75 inches, Depth: 22.00 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: 8

### USB Ports

Qty: 4

### PCIe Expansion

Multiple slot combinations available

### Power Supply

28VDC, 600W 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.

### Core Systems

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