



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

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