



RUGGED M322S SERVER

Military-Grade 3U Rackmount Server

The **M322S** is a rugged 3U server built for high-performance computing in harsh and mission-critical environments. Housed in a durable short-depth aluminum chassis, it's SWaP-optimized for military, aerospace, and industrial platforms requiring field-ready performance. Shock-rated construction, front-access I/O, and hot-swappable drives ensure reliability and easy maintenance under extreme conditions.

Powered by the latest Intel® Xeon® scalable processors and supporting the latest NVIDIA GPU graphic card, the M322S delivers exceptional compute, AI, and virtualization capabilities. With advanced cooling, flexible AC or DC power options, and MIL-STD-810 and 461 compliance, it's ideal for edge data centers, tactical deployments, and rugged mobile systems.

- 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: 5.25 inches, Width: 17.75 inches, Depth: 22.00 inches
Weight: 30-35 lbs

CPU

Latest Intel Xeon Scalable Processor

GPU

Latest NVIDIA GPU Graphics Card

RAM

Up to 2TB

Expansion Slots

Qty: 5, low profile

External Bays

Qty: 2

USB Ports

Qty: 4

Power Supply

Power options available

System Board

Extended ATX Motherboard

Storage SSD

Up to 15.36TB NVMe

Cooling

90mm high speed, high volume fans

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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