



## 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

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### 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.

### Core Systems

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