



## RUGGED M220S SERVER

### Military-Grade 2U Rackmount Server

The **M220S** is a rugged 2U server built with heavy-duty sheet metal and an ultra-sturdy all-aluminum chassis, designed for short-depth, mission-critical applications. Tested to meet MIL-STD 810 and 461 standards, it meets military-grade durability for demanding environments. Shock-mounted, hot-swappable drives and secure cable retention enable easy maintenance and reliable operation.

Powered by the latest Intel® Xeon® scalable processors, and NVIDIA GPUs, the M220S offers strong compute and graphics performance. With up to three PCIe Gen 4 slots, flexible AC/DC power, a compact 20-inch depth, and transit options, it's built for tactical, mobile, and rugged enterprise deployments.

- 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: 3.50 inches, Width: 17.75 inches, Depth: 20.00 inches  
Weight: 30-35 lbs

### CPU

Latest Intel Xeon Scalable Processor

### GPU

Latest NVIDIA GPU Graphics Card

### RAM

Up to 2TB

### Expansion Slots

Qty: 3, full height

### External Bays

Qty: 4

### USB Ports

Qty: 4

### PCI-E Expansion

Multiple slot combinations available

### Power Supply

120/240VAC, 24VDC

### 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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