



## RUGGED M220S-04 SERVER

### Military-Grade 2U Short-Depth Server

The **M220S-04** is a rugged 2U server built with heavy-duty sheet metal, purpose-built for short-depth, mission-critical applications. Tested to meet MIL-STD 810 and 461 standards, it delivers military-grade durability for the most demanding environments.

Featuring the latest Intel® Xeon® scalable processors, and support for NVIDIA GPU Graphics Card, the M220S-04 offers exceptional compute and graphics performance. Its application-specific, rugged design includes up to three PCIe Gen 4 slots, flexible AC/DC power options, and a compact 20-inch depth. Transit-ready configurations make it ideal for tactical operations, mobile platforms, 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: 6

### USB Ports

Qty: 4

### PCIe 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, 5-2000Hz, 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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