



RUGGED M220 SERVER

Military-Grade Rugged 2U Rackmount Server

The **M220** is a rugged 2U short-depth server built with an ultra-sturdy all-aluminum chassis for mission-critical performance in space-constrained environments. SWaP-optimized and tested to military specifications, it features shock-mounted, hot-swappable drives for reliable operation in harsh conditions, along with transit-ready and application-specific configuration options. Its compact design allows for powerful performance without sacrificing valuable rack space.

Powered by the latest Intel® processors and supporting the latest NVIDIA® GPUs, the M220 delivers high-performance compute for demanding workloads. With PCIe expansion and high-speed storage capabilities, it is ideal for AI, data analytics, and edge computing in a rugged, compact form factor.

- 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: 30-35.00 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

Power Supply

120/240VAC, 24VDC

PCIe Expansion

Multiple slot combinations available

Storage SSD

Up to 15.36TB NVMe

System Board

Extended ATX Motherboard

Cooling

80mm 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

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