



RUGGED M222 SERVER

Military-Grade 2U Rackmount Server

The **M222** is a rugged 2U short depth server built with ultra-sturdy aircraft grade aluminum and engineered for high performance computing in mission critical environments. Designed to meet rigorous military specifications, the M222 is ideal for defense, aerospace, and industrial applications requiring reliable, compact deployment. With a robust MIL STD tested chassis and transit ready options, it excels in mobile, tactical, and edge settings.

Powered by the latest Intel® Xeon® scalable processors, the M222 supports up to 2TB of DDR5 ECC memory and the latest advanced NVIDIA GPU Graphics Card. Its front access design features hot swappable drive bays, application specific configurations, and multiple full height PCIe slots, delivering maximum flexibility and performance.

- 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: 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: 2, full height

External Bays

Qty: 4

USB Ports

Qty: 3

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

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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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