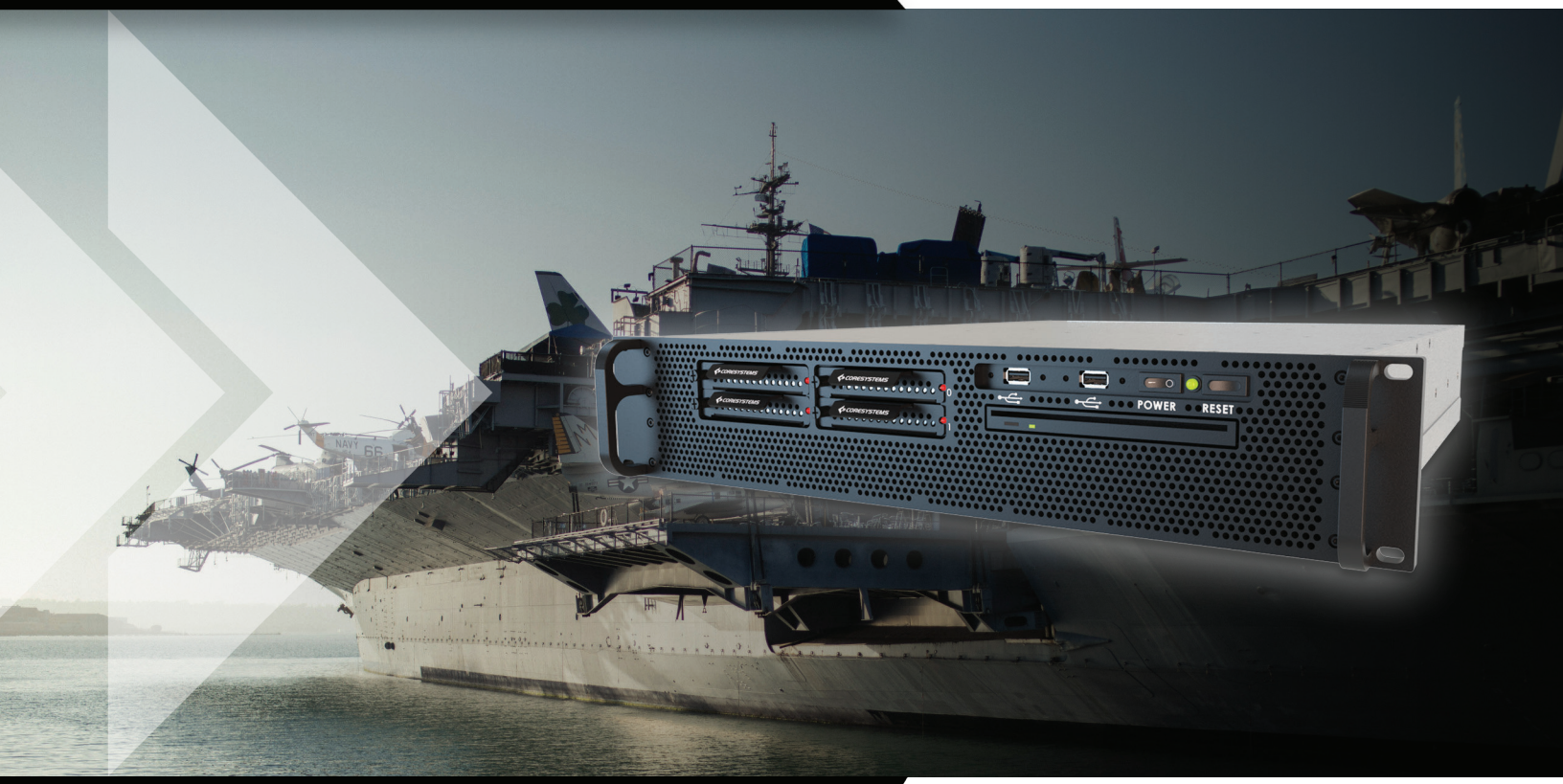
CORE SYSTEMS




# 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

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## 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

## Enviromental 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**
13000 Danielson St
Poway, CA 92064