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### **RUGGED M224S SERVER**

### Military-Grade 2U Rackmount Server

The **M224S** is a rugged 2U short-depth server engineered for high-performance computing in demanding operational environments. Constructed in a rugged all-aluminum chassis, the M224S is optimized for SWaP-sensitive deployments across defense, aerospace, and industrial sectors. Featuring front-access I/O, hot-swappable drives, and MIL-STD-810 compliance, it's built to withstand shock, vibration, and extreme temperatures.

Powered by the latest Intel® Xeon® scalable processors and supporting up to 1TB of DDR5 ECC memory, the M224S delivers exceptional performance in a SWaP-optimized 2U design. With advanced thermal management and flexible expansion options, the M224S is ideal for edge computing, tactical data centers, and mobile command platforms.

- Application-specific design
- Tested to meet military standards
- Built in the USA

# **Featured Specifications**

#### **CPU**

Latest Intel Xeon Scalable Processor

Latest NVIDIA GPU Graphics Card

#### **RAM**

Up to 2TB

#### **Power**

Power options available

#### **Chassis Type**

Aircraft-Grade Aluminum



# CORESYSTEMS

#### **RUGGED M224S SERVER**



# **Technical Specifications**

Dimensions

Height: 3.50 inches, Width: 17.75 inches, Depth: 24.00 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: 6

**Power Supply** 

Power options available

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.

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