



RUGGED M218 SERVER

Military-Grade Rugged 2U Rackmount Server

The **M218** is a rugged 2U server built for compute-heavy applications in harsh and mission-critical environments. Constructed with a lightweight, all-aluminum chassis, it's SWaP-optimized for military, aerospace, and industrial platforms requiring robust, field-ready performance. Shock-mounted drives and front-access I/O ensure durability and serviceability under extreme conditions.

Powered by the latest Intel® Xeon® scalable processors and supporting dual-slot NVIDIA GPUs, the M218 delivers powerful, scalable performance in a ruggedized short-depth form factor. With efficient thermal management and full customization options, the M218 is ideal for edge deployments, mobile platforms, and tactical rackmount systems.

- 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: 18.00 inches
Weight: 18-22 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: 6

Power Supply

120/240VAC, 28VDC, 650W

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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