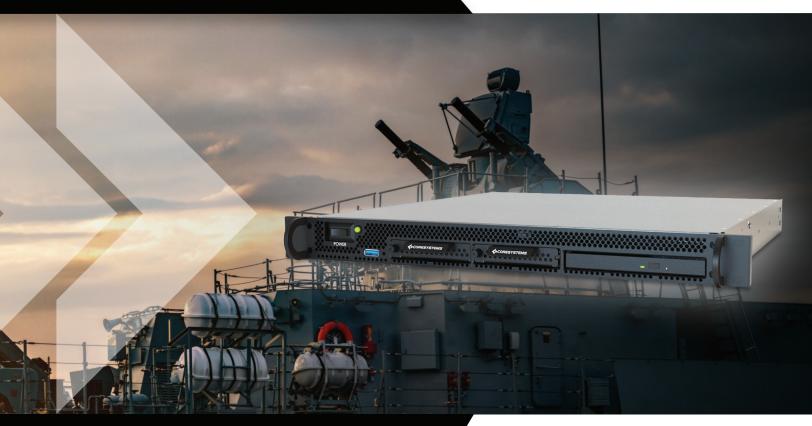


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RUGGED M118 SERVER

Military-Grade 1U Server

The M118 is a rugged 1U server engineered for short-depth rackmount applications where space, durability, and performance are key. Built with an all-aluminum chassis and just 18 inches deep, it's optimized for military and industrial deployments requiring compact, reliable computing. Tested to MIL-STD-810 standards, the M118 withstands shock, vibration, and harsh environmental conditions.

Powered by Intel® Xeon® Scalable processors and optional NVIDIA GPUs, the M118 delivers high-performance computing in a rugged, SWaP-optimized form factor. It features robust thermal management, secure front-facing I/O, and supports PCIe and GPU expansion. With a lightweight, transit-ready chassis, it's ideal for mobile, edge, and mission-critical operations across defense, aerospace, and industrial sectors.

- 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









Technical Specifications

Dimensions

Height: 1.75 inches, Width: 17.75 inches, Depth: 18.00 inches

Weight: 15-21 lbs

CPU

Latest Intel Xeon Scalable Processor

GPL

Latest NVIDIA GPU Graphics Card

RAM

Up to 2TB

Expansion Slots

Qty: 1, full height

External Bays

Qty: 2

USB Ports

Qty: 4

Power Supply 28VDC, 400W AC

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

Vibratio

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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