



## RUGGED M116S-FIO SERVER

### Military-Grade 1U Rackmount Server

The rugged M116S-FIO is a short-depth 1U rackmount server built for applications that require speed, reliability, and security. The high-performance M116S-FIO is designed to save space without sacrificing power thanks to our SWaP-Optimized design.

Built with ultra-sturdy all-aluminum chassis, this rugged computer features two shock mounted hot-swap drives and supports the latest Intel® Quad and Hexa-Core CPUs while providing one full-height PCIe slot on the rear of the chassis. The rugged M116S-FIO includes the latest single-stack NVIDIA® Tesla® GPU Card which provides our customers with high-performance data analytics and scientific computing abilities.

- 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: 1.75 inches, Width: 17.75 inches, Depth: 16.00 inches  
Weight: 15-21 lbs

### CPU

Latest Intel Xeon Scalable Processor

### GPU

Latest NVIDIA GPU Graphics Card

### RAM

Up to 2TB

### Expansion Slots

Qty: 2, full height

### USB Ports

Qty: 4

### Cooling

Thermostatically controlled via motherboard

### System Board

Supermicro W10

### Power Supply

28VDC, 400W AC

### 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: -55°C to +85°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

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