



## RUGGED M119S SERVER

### Military-Grade 1U Short-Depth Server

The **M119S** is a rugged 1U server built for short-depth applications requiring high performance in a compact form factor. With a 17.75 inch sheet metal chassis, it meets military specifications for durability and reliability in extreme environments. SWaP optimized for tactical, aerospace, and defense use, the M119S is ideal where space and weight matter.

Powered by the latest Intel® Xeon® scalable processors and supporting NVIDIA® GPUs, it delivers scalable performance for demanding workloads. Its military grade, application specific design includes transit case options and full customization to meet mission requirements, making the M119S a dependable rugged compute solution for field operations.

- 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

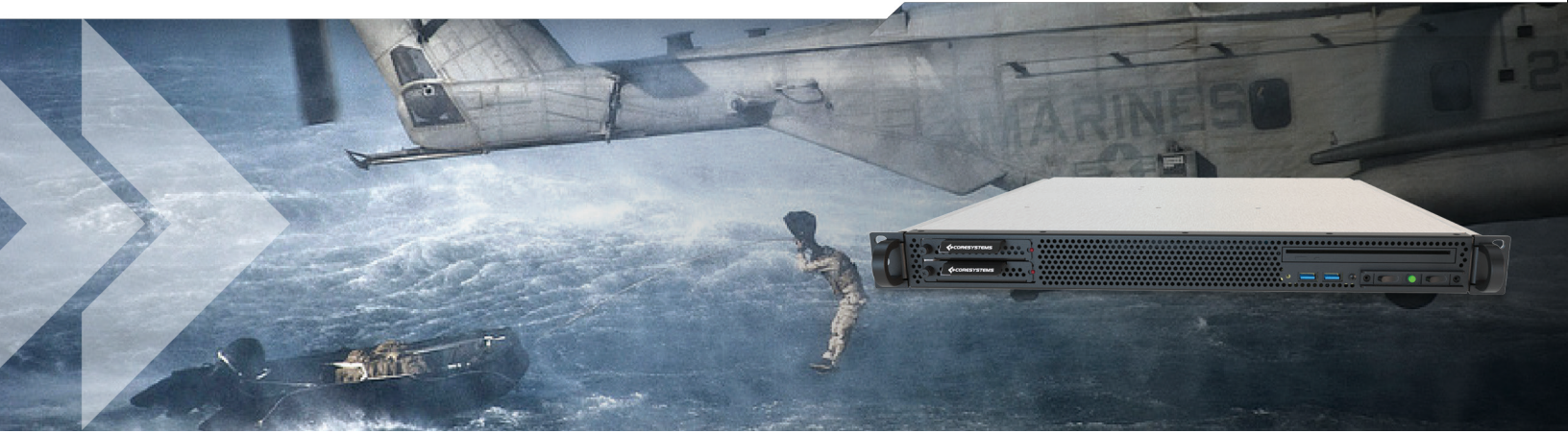
Up to 2TB

#### Power

Power options available

#### Chassis Type

Aircraft-Grade Aluminum



## Technical Specifications

### Dimensions

Height: 1.75 inches, Width: 17.75 inches, Depth: 19.00 inches  
Weight: 15-21 lbs

### CPU

Latest Intel Xeon Scalable Processor

### GPU

Latest NVIDIA GPU Graphics Card

### RAM

Up to 2TB

### Expansion Slots

Qty: 1, full height

### External Bays

Qty: 2

### USB Ports

Qty: 4

### Cooling

Thermostatically controlled via motherboard  
40mm high speed high volume fans

### Power Supply

28VDC, 400W AC

### 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

## 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

