



## RUGGED M318S-03 SERVER

### Military-Grade 3U Server

The M318S-03 is a rugged 3U short-depth server built with a durable sheet-metal chassis and engineered for high-performance computing in mission-critical environments. Designed for applications where space and reliability are key, the M318S-03 meets MIL-STD-810 and MIL-STD-461F standards and includes transit-ready options for mobile and tactical deployments.

Powered by the latest Intel® Xeon® scalable processors, the M318S-03 supports up to 2TB of ECC memory and the latest advanced NVIDIA® graphics card. Making it ideal for defense, aerospace, and industrial applications requiring rugged, application-specific performance.

- 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: 5.25 inches, Width: 17.00 inches, Depth: 18.00 inches  
Weight: 30-35 lbs

### CPU

Latest Intel Xeon Scalable Processor

### GPU

Latest NVIDIA GPU Graphics Card

### RAM

Up to 2TB

### Expansion Slots

Qty: 7, low profile

### External Bays

Qty: 2

### PCIe Expansion

Multiple slot combinations available

### USB Ports

Qty: 8

### Power Supply

28VDC, 600W AC

### System Board

Extended ATX Motherboard

### Storage SSD

Up to 15.36TB NVMe

### Cooling

80mm high speed, high volume fans

## 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

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