



## 1U SHORT-DEPTH SERVER

### Rugged M114 1U Server

The M114 is a rugged 1U server designed for applications with a maximum 14-inch depth requirement. Built with an all-aluminum chassis, it's SWaP-Optimized for military use and tested for durability in harsh environments. Featuring shock-mounted, hot-swap drives and a shock-mounted DVDRW, it's engineered for reliability in mobile and mission-critical settings.

Equipped with the latest Intel Xeon Scalable processors and NVIDIA GPU cards, the M114's application-specific, military-grade design includes transit options for easy deployment. Fully customizable to meet your mission's needs, the M114 sets the standard for rugged, short-depth server solutions.

- Short-depth 1U design
- Tested to meet military standards
- Built in the USA

### Key Features

- Ultra-sturdy, all-aluminum chassis
- Supports the latest Intel Xeon
- Supports Latest NVIDIA GPU
- Application-Specific Design
- Military-Grade Design
- Transit Options Available
- 1U Height
- 14" Depth



## Technical Specifications

### Dimensions

Height: 1.75 inches, Width: 19.00 inches, Depth: 14.0 inches  
Weight: 15-21 lbs

### CPU

Intel Xeon Scalable 4th Gen, Intel Xeon Scalable 5th Gen, Intel Xeon 6

### Expansion Slots

Qty: 1, full height

### RAM

512GB, 1TB, 2TB

### External Bays

Qty: 2

### USB

Qty: 4

### PCIe Expansion

Multiple slot combinations available

### Power Supply

Native 24-28VDC Power Input

### System Motherboard

Extended ATX Motherboard

### 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

