



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

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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

