CORE SYSTEMS



RUGGED CISCO C118S SERVER

Military-Grade 1U Cisco Server

The MIL-SPEC Rugged **C118S Cisco** 1U Server is the most versatile, general-purpose enterprise infrastructure and application server in the industry. This high-density, two-socket, enterprise-class rack server is built to tackle a wide range of workloads, including virtualization, collaboration, and bare-metal applications, all in a compact 1RU package. Designed to MIL-STD-810 and MIL-STD-461 standards, it delivers outstanding reliability and performance in harsh environments.

Equipped with up to 24 DDR4 DIMMs for improved speed and energy efficiency, the C118S also features 2x PCIe Gen 3.0 slots for expansion and 2x embedded 1 Gigabit Ethernet LAN-on-motherboard (LOM) ports for robust connectivity. With flexible storage options and rugged thermal management, it ensures mission-critical operations stay secure and responsive wherever deployed.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

CPU
Latest Intel Xeon Scalable Processor

Memory
Up to 1TB DDR4 ECC Registered
24 DIMM slots

Expansion
2× PCIe Gen 3.0 slots for additional cards

Power
Power options available

Chassis Type
Aircraft-Grade Aluminum

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Technical Specifications

Dimensions
Height: 1.75 inches, Width: 19.00 inches, Depth: 18.00 inches
Weight: 23.50 lbs

CPU
Latest Intel Xeon Scalable Processor

Memory
24 DDR4 DIMM slots
Support for DDR4 registered RDIMMs and LRDIMMs

Networking
2× embedded 1GbE LAN-on-motherboard (LOM) ports

Expansion Slots
Qty: 1, full height

PCIE Expansion
2x PCIe Gen 3.0 slots available for other expansion cards

Power Supply
770W

Cooling
High CFM, low decibel

Chassis
Lightweight aluminum chassis

Enviromental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

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.



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