CORE SYSTEMS



RUGGED EL1000RS SERVER

Military-Grade Rugged HPE Server

The HPE Edgeline **EL1000RS** is a rugged converged edge system from Core Systems, designed to deliver high-performance compute, storage, and data capture in a compact, deployable platform. Built for harsh environments, it operates reliably under high shock, vibration, and temperature conditions while integrating compute, system management, and data acquisition into one space-efficient solution.

Powered by the latest Intel® Xeon® processors, the EL1000RS enables real-time processing and analytics for edge and IoT applications. With high-speed storage, advanced security, and scalable I/O, it extends data center-class performance beyond traditional environments, making it ideal for defense, industrial, and remote deployments.

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

Featured Specifications

Dimensions
Height: 3.50" | **Depth:** 9.17" | **Width:** 13.86"

Expansion Bays
Two 2.5" Small Form Factor (SFF)
Hot-Plug disk bays

RAM
Up to 2TB

Power
100-150W

Chassis Type
Aircraft-Grade Aluminum

Copyright 2026 All Rights Reserved

CORE SYSTEMS

RUGGED EL1000RS SERVER



Technical Specifications

Dimensions
Height: 3.50 inches, Width: 13.86 inches, Depth: 9.17 inches
Weight: 17.00 lbs

External Bays
Two 2.5" Small Form Factor (SFF)
Hot-Plug disk bays

RAM
Up to 2TB

USB Ports
Qty: 4

Power
100-150W

I/O
Two 1 Gb (RJ45) Ethernet ports

Chassis Type
Lightweight aluminum chassis

Environmental 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.

Core Systems
13000 Danielson St
Poway, CA 92064

