



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

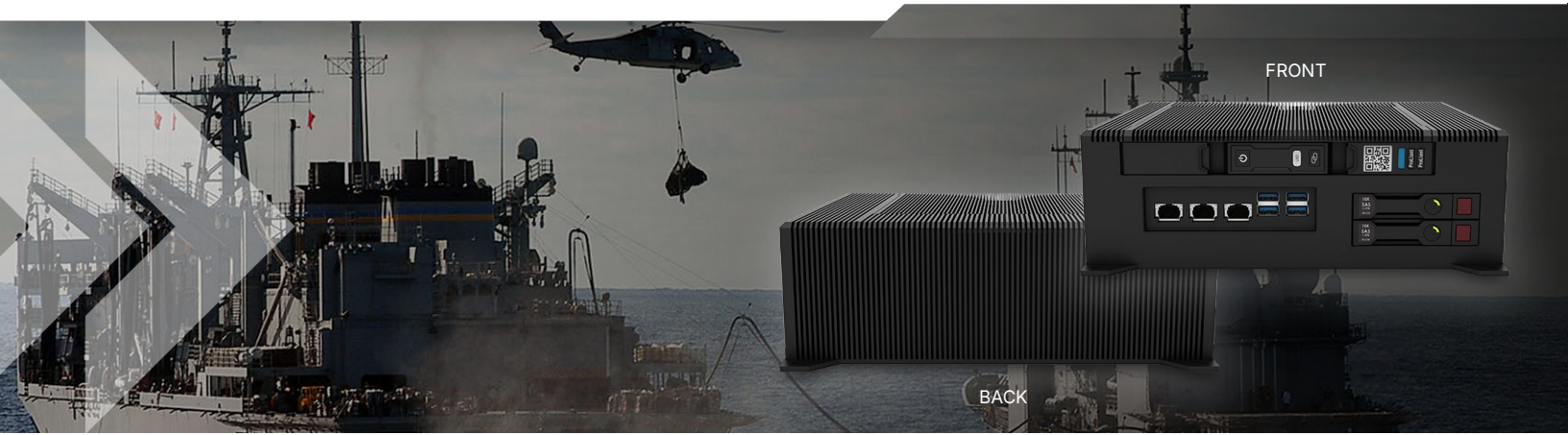
Up to 2TB

Power

100-150W

Chassis Type

Aircraft-Grade Aluminum



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

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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