CORE SYSTEMS



RUGGED DL160RS SERVER

Military-Grade Rugged 1U Rackmount Server

The Rugged **DL160RS** is a 1U short-depth server based on HPE's ProLiant DL160 platform, built for reliable performance in space-constrained and mission-critical environments. Housed in a durable 22-inch chassis, this rugged compute platform is designed for defense, aerospace, and industrial applications where efficiency, durability, and compact form factors are essential.

Powered by the latest Intel® processor and HPE ProLiant technology, the DL160RS delivers scalable performance with a 92% efficient power supply to reduce energy and operational costs. Its rugged design and short-depth architecture make it ideal for tactical racks, mobile deployments, and harsh environments requiring dependable computing.

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

Featured Specifications

CPU
Latest Intel Xeon Scalable Processor

Expansion Slots
Qty: 1, full height

RAM
Up to 2TB

Power
Power options available

Chassis Type
Aircraft-Grade Aluminum

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Technical Specifications

Dimensions
Height: 1.75 inches, Width: 17.75 inches, Depth: 22.00 inches
Weight: 26.50 lbs

CPU
Latest Intel Xeon Scalable Processor

RAM
Up to 2TB

Expansion Slots
Qty: 1, full height

External Bays
Qty: 8

USB Ports
Qty: 4

Power Supply
110-220VAC, 28VDC, 700W, 900W

HPE Smart Memory
16 DIMM Slots
(Up to 512GB with 16x32GB DIMMs)

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.

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