CORE SYSTEMS



RUGGED DL180RS SERVER

Military-Grade Rugged 2U Rackmount Server

The Rugged **DL180RS** is a 2U rackmount server based on the HPE ProLiant DL180 platform, designed for reliable performance in harsh and space-constrained environments. Featuring a 22-inch short-depth, ruggedized chassis, it provides a cost-effective compute solution for mission-critical defense, aerospace, and industrial deployments.

Powered by the latest Intel® Xeon® scalable processors, the DL180RS supports dual CPUs and up to 512GB of DDR4 memory. With flexible expansion including up to 6 PCIe slots for GPU and network cards and support for up to 16 SFF drives, it delivers strong I/O and storage scalability in a rugged, high-performance platform.

- 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
900W

Chassis Type
Aircraft-Grade Aluminum

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Technical Specifications

Dimensions
Height: 3.50 inches, Width: 17.75 inches, Depth: 22.00 inches
Weight: 31.00 lbs

CPU
Latest Intel Xeon Scalable Processor

RAM
Up to 2TB

Expansion Slots
Qty: 1, full height

External Bays
Qty: 16

Power Supply
900W

HPE Smart Memory
16 SFF HDD/SSD

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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