



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



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

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

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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

