CORESYSTEMS RUGGED COMPUTING

Hewlett Packard Enterprise

Data sheet

Core Systems DL180RS Gen9 Rugged Server

Intuitive design
Flexible configurations provide the options you need today, as well as the capacity and scalability for future growth

Built for the Tactical User

Based on the Hewlett Packard Enterprise (HPE) industry-leading ProLiant DL180 Server platform, the Core Systems DL180RS is a cost-effective, fully rugged compute platform designed to operate in harsh environments. The DL180RS utilizes the latest HPE ProLiant and Intel®Chipset technology offerings, setting the new standard in rugged computing performance.

With optimized physical characteristics and the reliable HPE server architecture and management you've come to know, the DL180RS Rugged Server provides the optimal platform for your workloads that require more on board expansion while still minimizing the operational costs of energy and space regardless of where the mission calls you.

Designed for Future Growth

The DL180RS provides a ruggedized platform optimized for operations in austere environments, with up to 2 Intel Xeon® E5-2600 v3 and v4 processors, up to 12 cores, and 16 DIMM slots of DDR4 Smart Memory (up to 512GB).

The DL180RS 2U chassis provides up to 6 PCIe 3.0 riser slots for GPU and network cards as well as up to 16 SFF drives for expanded platform capabilities. Management is simplified with the Integrated Lights-Out out of band management module to deploy, monitor, and support your server remotely.

Technical Specifications

Military Standards[1]	Operational Temperature: -10C to +50C with solid state drives, MIL-STD-810F/G, Method 501.5, Procedures I/II Storage: -40C to 75C, MIL-STD-810F/G, Method 501.5, Procedures I/II Humidity, MIL-STD-810F/G, Method 507.4: 48 hour, 95% RH 40-65C with humidity option Altitude, MIL-STD-810F/G, Method 500.4: 12,500ft operation with 40,000ft transport Vibration, MIL-STD-810F/G, Method 514.6 Procedure I: 4.43 GRMS, 5-20000Hzz, 60min/axis w/solid state drives Shock, MIL-STD-810F/G, Method 516.6, Procedures I/V: 20g, 11msec functional shock; 40g 11msec crash hazard shock EMC, MIL-STD-461F/G CE102 & RE102: Meets using CORESYSTEMS Optional 461 EMI Kit
Mechanical	Height - 3.5" (8.89cm), Width- 17.75" (45.10cm), Depth- 22.00"(55.88cm), Weight- 31lbs (14kg)
CPU	Up to 2 Intel® Xeon® E5-2600 v3 and v4 Series, 4/6/8/10/12 Cores, PCIe 3.0, up to 6 available slot(s)
Expansion Slots	(6) PCIe 3.0 expansion slots available, PCIe 3.0, up to 6 available slot(s)
Drive Bays	16 hot swap removable Drive Bays (2.5" SFF SAS or SSD's); One slim line SATA CD/DVD (R/W) available
Storage	16 SFF HDD/SSD
Mounting Options	22" Slide Rails; Fixed mounting rails front and rear, extend to 28"
Power Supply Options	900W Dual Redundant 110/220 VAC Supply; 700W Single 28VDC Supply

Core Systems resources

www.core-systems.com
888.584.CORE

Services

Let Core Systems help guide you and your business through the rapidly changing IT landscape. Core Systems Services delivers confidence, reduces risk, and helps you realize greater agility and stability.

Core Systems is a premier manufacturer of best-in-class rugged computers and rugged displays. We design and manufacture all of our products in Poway, California. Our 35,000+ square foot facility features onsite engineering, assembly, and test along with a complete metal fabrication and machining facility. Core Systems is one of the only vertically integrated rugged computer manufacturers in the nation. Our diverse family of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.

Learn more at:
core-systems.com/military/dl-180rs.html

[1] CORESYSTEMS designs each server to meet or exceed the military specifications listed in this document. If you require further reference material on our testing documents and procedures please ask your CORESYSTEMS Applications Engineer. Both the chassis and system configuration can be customized to meet specific program requirements.

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