



DL180RS GEN10 2U Rugged Short Depth Server

2U Server Based on the HPE DL180 Server Platform



Based on the Hewlett Packard Enterprise (HPE) industry-leading ProLiant DL180 Server platform, the Core Systems GEN10 DL180RS is a cost-effective, fully rugged compute platform designed to operate in harsh environments. This ruggedized HPE server 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 onboard expansion while still minimizing the operational costs of energy and space regardless of where the mission calls you.

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.

The DL180RS Features an Industry Leading Rugged Compute Platform

Chassis Height and Depth: 2U, 22" short depth chassis

Drive Count: 16 hot swap removable drive bays (2.5" SFF SAS or SSDs); One slim line SATA CD/DVD (R/W) available

CPU Series: Intel® Xeon® E5-2600 v4 processor family

Power Supply Option: 900W dual redundant 110/220 VAC Supply, 700W single 28VDC supply



Technical Specifications

Environmental Specifications: Operational Temperature Range: MIL-STD-810F/G, Method 501.5, Procedures I/II; -10C to +50C with solid state drives
Storage: MIL-STD-810F/G, Method 501.5, Procedures I/II; -40C to +75C
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 with solid state drives
Shock: MIL-STD-810F/G, Method 516.6, Procedures I/V; 20g, 11msec functional shock; 40g 11msec crash hazard shock
Other: MIL-STD-461F/G CE102 & RE102; Meets using CORESYSTEMS optional 461 EMI Kit

Mechanical: Height - 3.50 in (8.90 cm), Width - 17.75 in (45.08 cm), Depth - 22.00 in (55.88 cm), Weight - 31.00 lbs (14.06 kg)

CPU: Up to 2 Intel® Xeon® E5-2600 v4 Series; 4/6/8/10/12 Cores; PCIe 3.0

Expansion Slots: Six (6) PCIe 3.0 expansion slots available; PCIe 3.0; Up to six (6) available slots

Drive Bays: 16 hot swap removable drive bays (2.5" SFF SAS or SSDs); One slim line SATA CD/DVD (R/W) available

HPE Smartdrives: 16 SFF HDD/SSD

Mounting Options: 22" Slide Rails; Fixed mounting rails front and rear; Extend to 28"

Power Supply: 900W Dual Redundant 110/220 VAC Supply; 700W Single 28VDC Supply

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 55,000+ square foot facility features onsite engineering, assembly, and testing 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.

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