

# RUGGED 2U GEN9 DL180RS HPE SERVER

*Rugged System Built for Extreme Environments*

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. This ruggedized HPE server utilizes the latest HPE ProLiant and Intel® Chipset technology offerings, setting the new standard in rugged computing performance.



CUSTOM BUILT  
RUGGED SYSTEM



**8X HOT-SWAP DRIVE**

- ▶ ALL-ALUMINUM CHASSIS
- ▶ HPE GEN10 TECHNOLOGY
- ▶ INTEL QUAD/HEXA-CORE CPUS
- ▶ MIL-SPEC TESTED
- ▶ BUILT IN THE USA



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.

**For more info on the 2U GEN9 DL180RS, please visit [www.core-systems.com](http://www.core-systems.com)**

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THE EMBEDDED EDGE

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## TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 3.5 in (8.89 cm), Width - 17.75 in (45.08 cm), Depth - 22.00 in (55.88 cm) Weight - 31 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
EXTERNAL BAYS	16 hot swap removable drive bays (2.5" SFF SAS or SSDs) One slim line SATA CD/DVD (R/W) available
HPE SMART MEMORY	16 SFF HDD/SSD
POWER SUPPLY	900W Dual Redundant 110/220 VAC Supply 700W Single 28VDC Supply
CHASSIS TYPE	Lightweight aluminum chassis

## ENVIRONMENTAL SPECIFICATIONS

OPERATIONAL TEMP.	MIL-STD-810F, Method 501.5 Procedures I/II; -15°C to +55°C
STORAGE TEMP.	MIL-STD-810F, Method 501.5, Procedures I/II; -55°C to +85°C
HUMIDITY	MIL-STD-810F, Method 507.4; 48 Hour, 95% RH 40-65C (with conformal coat option)
ALTITUDE	MIL-STD-810F, Method 500.4; 12,500ft operation with 40,000ft transport
VIBRATION	MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hz, 60min/axis
SHOCK	MIL-STD-810G, Method 516.6, Procedures I/V; 20g, 11msec - functional shock; 40g, 11msec crash hazard shock
OTHER	MIL-STD-461F CE & RE emissions (with 461 filter option)


**CORE SYSTEMS**  
 ENGINEERED TO PERFORM

### ABOUT US

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 65,000+ square foot facility features onsite engineering, assembly, and testing along with a complete metal fabrication and machining facility. Our wide range of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.