

Core Systems DL360RS Gen9 Rugged Server



Dense and Flexible High-Performance Compute Power

Up to 24 HPE DDR4 SmartMemory DIMM slots and up to 3.0 TB³ of memory with built-in intelligence improve performance and reduce downtime and energy costs, resulting in up to 23 percent better throughput performance.⁴

Agile Infrastructure Management for Accelerating IT Service Delivery

Software-defined management for automation simplicity across servers, storage, and networking with HPE OneView.

Tomorrow's benchmark for multi-workload computePurpose

Purpose-built for dense performance

World-renowned for supporting dense general-purpose computing needs, the Core Systems DL360RS Server just got better. The Gen9 release of this industry-leading server platform¹ delivers increased performance with the best memory and I/O expandability—packed in a rugged 2U/2-socket rackmount design.

Continuing its legacy of reliability, serviceability, and continuous availability, the DL360RS Rugged Server from Core Systems is the ideal choice for:

- **Compute-intensive applications** – Such as Big Data, analytics, tactical internet, and more
- **Dynamic workloads** – Such as high-performance computing, databases, and virtualized mobile cloud; all of these workloads require a top-rate balance of performance, energy efficiency, and density
- **Low-latency and transactional applications** – Such as those complex requirements for real-time data
- **Space-constrained server environments** – Such as those used in mission-critical military environments and embedded applications

Higher performance, extended support

Designed with performance in mind, the Core Systems DL360RS leverages the latest Intel® Xeon® E5-2600 v3 and v4 processors to offer up to 21 percent performance gains.²

You can manage your DL360RS in any tactical IT environment by automating the most essential server lifecycle management tasks—deploy, update, monitor, and maintain. And to support your heterogeneous tactical IT environment, the DL360RS supports Microsoft® Windows® and Linux® operating systems, as well as VMware and Citrix virtualization environments.

¹ CQ315 IDC Server Tracker.

² Intel® performance testing, intel.com/performance comparing measurements on platform with two E5-2600 v3 vs E5-2600 v4, November 2015.

³ Coming in mid-2016.

⁴ Up to 23% better performance is based on similar capacity DIMM running on HPE server compared to a non HPE server with DDR4. HPE internal labs estimate, March 2016.

Data sheet

Technical Specifications

Military Standards	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, 5-20000Hz, 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 CE102 & RE102: Meets using CORESYSTEMS Optional 461 EMI Kit
Mechanical	Height - 3.5" (8.89cm), Width- 17.75" (45.10cm), Depth- 21.00"(55.88cm), Weight- estimated 31lbs (14kg) dependent on configuration
CPU	Up to two Intel Xeon E5-2600 v3 or v4 series, 4/6/8/10/12/14/16/18/20/22 cores
Expansion Slots	(3) PCIe 3.0 expansion slots available
Drive Bays	8 hot swap removable Drive Bays (2.5" SFF SAS or SSD's); With one slim line SATA CD/DVD (R/W) available; or 10 hot swap removable Drive Bays with no Optical Drive
HPE SmartDrives	8 + 2 SFF/4 LFF max, HDD/SSD, M.2 enabled and optional NVMe PCIe SSD support (32 TB max)
Mounting Options	21" Slide Rails; Fixed mounting rails front and rear, extend to 28"
Power Supply Options	Up to 96 percent efficient (Titanium) with HPE Flexible Slot Power Supplies with optional HPE Battery Backup Hot plug fans with full N+1 redundancy

Core Systems resources

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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/dl360rs/



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