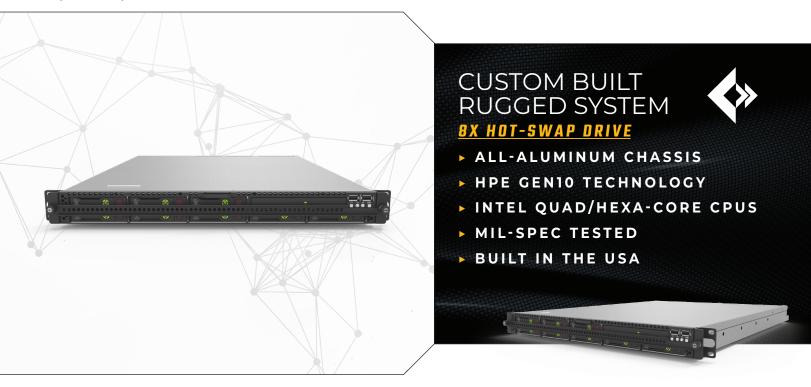# RUGGED 1U GEN10 DL160RS HPE SERVER

Rugged System Built for Extreme Environments

Based on HPE's industry leading DL160 Server platform, the Core Systems DL160RS GEN10 Rugged Server is a cost effective, fully rugged 1U compute platform designed to operate in today's most stringent environments. The DL160RS has the latest HPE ProLiant and Intel® Chipset technology offerings, resulting in no compromises and optimal performance for the tactical user.

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**

Offering standard Integrated Lights-Out capabilities for simplified IT infrastructure management, 16 slots for DDR4 memory, eight drives, and two standard NIC ports, the DL160RS GEN10 Rugged Server offers the ideal set of features for meeting your customer's everyday rugged computing needs. The DL160RS GEN10 Rugged Server enables users to start small, and scale easily, as their tactical computing needs grow.

For more info on the 1U GEN10 DL160RS, please visit www.core-systems.com

unitronix
THE EMBEDDED EDGE

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RUGGED 1U GEN10 DL160RS HPE SERVER

TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 1.75 in (4.45 cm), Width - 17.75 in (45.08 cm), Depth - 22.00 in (55.88 cm) Weight - 26.5 lbs (12.02 kg)
CPU	Intel® CPU Architecture Options Intel® Xeon® E5-2600 v4 Processor Family Upgradable to two (2) processors
EXPANSION SLOTS	One (1) full-height, two (2) half-height 3/4 length slots Two (2) half-height 3/4 length slots Multiple PCIe slot combinations available
EXTERNAL BAYS	Eight (8) hot swap removable Drive Bays (2.5" form factor hard drives or SSDs) One (1) slim line SATA CD/DVD (R/W) available with SSDs or SAS HDDs
HPE SMART MEMORY	16 DIMM Slots (Up to 512GB with 16x32GB DIMMs)
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.