CORE SYSTEMS



RUGGED 2U R2600RS SERVER

Military-Grade Rugged 2U Rackmount Server

The **R2600RS** is a rugged 2U server that repackages the proven HPE Apollo R2600 platform into a space-optimized, mission-ready form factor. Supporting up to four dual-socket nodes, 24 SSDs, and high-speed 1Gb or 10Gb connectivity, it includes an integrated management suite and is built for reliable operation in demanding, mission-critical environments.

Powered by the latest Intel® Xeon® scalable processors, the R2600RS delivers high-performance computing for HPC and data-intensive workloads. With support for fast memory, integrated accelerators, and GPU capabilities, it provides a strong balance of performance and efficiency, making it well-suited for tactical HPC clusters and scalable deployments.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

CPU
Latest Intel Xeon Scalable Processor

Expansion Bays
Qty: 24

RAM
Up to 2TB

Power
800W, 1400W

Chassis Type
Aircraft-Grade Aluminum

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Technical Specifications

Dimensions
Height: 3.50 inches, Width: 17.75 inches, Depth: 28.00 inches
Weight: 30.00 lbs

CPU
Latest Intel Xeon Scalable Processor

RAM
Up to 2TB

USB Ports
Qty: 4

External Bays
Qty: 24

Power Supply
800W, 1400W

Network (per node)
2x 1GB Ethernet, serial RJ45 connector
SUV connector (1 serial/2 USB/ 1video)
Optional FlexibleLOM

Memory (per node)
16 DDR4 DIMMS, 2400 MHz, 1TB max (16 x 64GB)

Chassis Type
Lightweight aluminum chassis

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

Humidity
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration
MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

Shock
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC
MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.



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