



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



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)

2× 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 × 64GB)

Chassis Type

Lightweight aluminum chassis

Environmental Specifications

Operational Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

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.

Core Systems

13000 Danielson St
Poway, CA 92064

