



RUGGED MSA 2050RS SERVER

Military-Grade Rugged HPE Server

The Rugged HPE **MSA 2050RS** SAN Storage system from Core Systems is a 2U ruggedized platform built for reliable, high-performance storage in remote and demanding environments. Designed for small and forward-deployed operations, it combines a durable, mission-ready chassis with proven HPE architecture to deliver secure, scalable storage where traditional data center solutions are not practical.

Delivering up to 2x the performance of the previous generation, the MSA 2050RS balances simplicity, flexibility, and affordability in an entry-level SAN solution. With Fibre Channel support and the ability to scale with evolving mission needs, it is ideal for defense, aerospace, and edge deployments requiring dependable storage and accelerated application performance.

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

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Featured Specifications

Dimensions

Height: 3.50" | Depth: 22.00" | Width: 17.75"

Storage Capacity

614 TB SFF or 1344 TB LFF

RAM

Up to 2TB

Power

110-220VAC

Chassis Type

Aircraft-Grade Aluminum



Technical Specifications

Dimensions

Height: 3.50 inches, Width: 17.75 inches, Depth: 22.00 inches
Weight: 31.00 lbs

RAM

Up to 2TB

Expansion Slots

Qty: 1, full height

Storage Capacity

614 TB SFF or 1344 TB LFF

Storage Expansion

HPE MSA 2050 LFF Disk Enclosure
HPE MSA 2050 SFF Disk Enclosure
HPE MSA 2050 SAN DC-Power Carrier Grade SFF Disk Enclosure

Power Supply

110-220VAC

Drive

192 SFF or 96 LFF maximum including expansion

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.

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