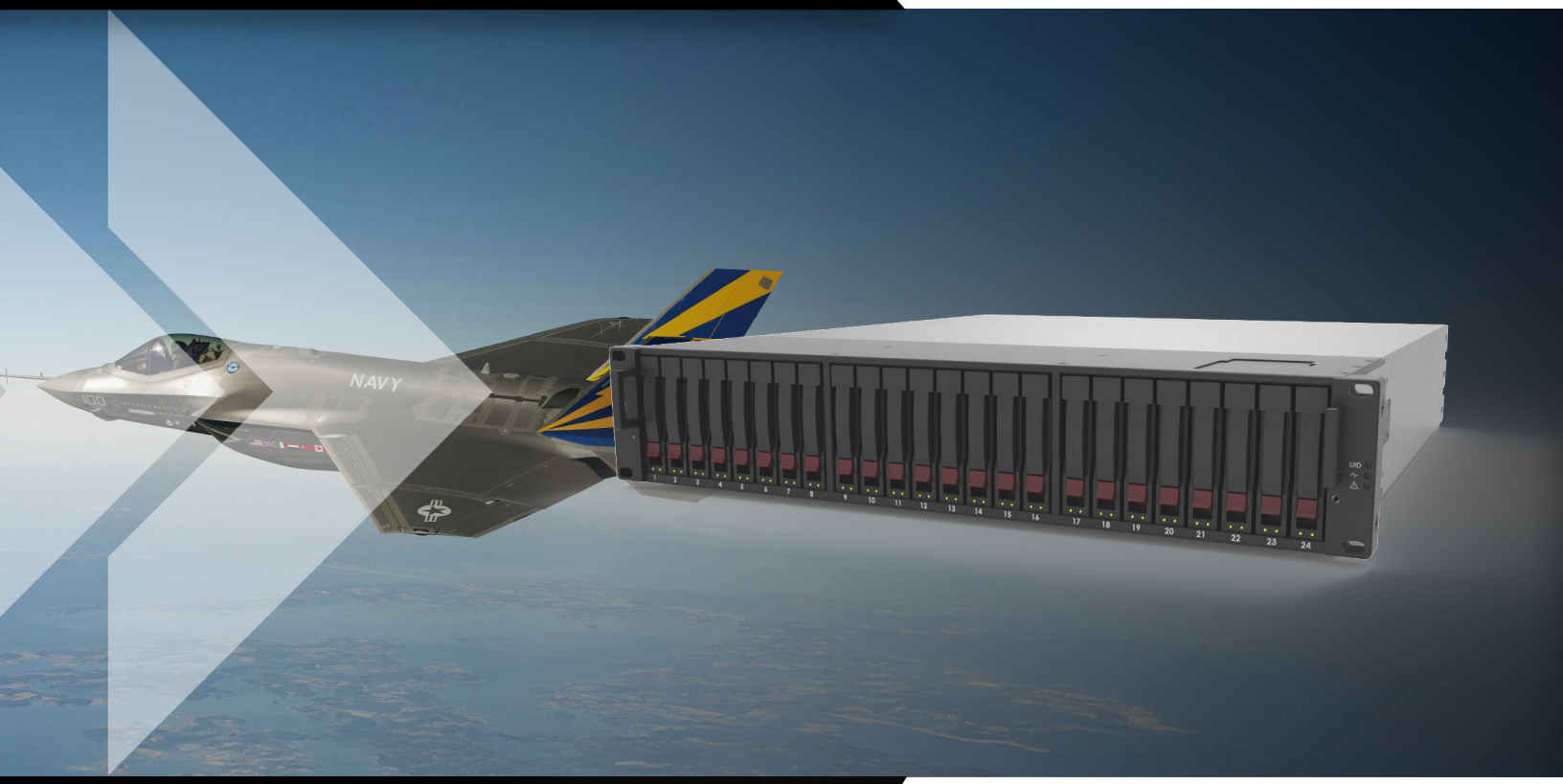
CORE SYSTEMS



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

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

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RUGGED MSA 2050RS SERVER



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
-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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