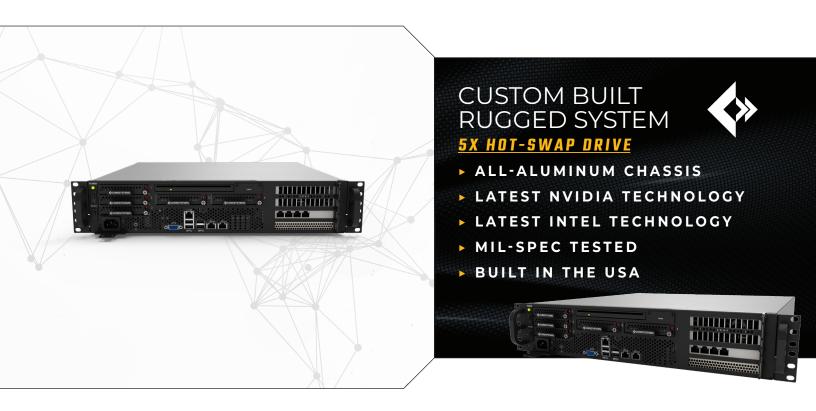# M217S-FIO - 2U RUGGED RACKMOUNT SERVER

Rugged System Built for Extreme Environments

The rugged M217S-FIO is a short-depth 2U rackmount server built for applications that require speed, reliability, and security. The high-performance M217S-FIO is designed to save space without sacrificing power thanks to our SWaP-Optimized design.

CUSTOM BUILT RUGGED SYSTEM

5X HOT-SWAP DRIVE

- ALL-ALUMINUM CHASSIS
- LATEST NVIDIA TECHNOLOGY
- LATEST INTEL TECHNOLOGY
- MIL-SPEC TESTED
- BUILT IN THE USA

Built with ultra-sturdy all-aluminum chassis, this rugged computer features five shock mounted hot-swap drives and supports the latest Intel Quad and Hexa-Core CPUs while providing a 4-slot front riser card. The rugged M217S-FIO includes the latest single-stack NVIDIA® Tesla® GPU Card which provides our customers with high-performance data analytics and scientific computing abilities.

For more info on the M217S-FIO 2U server, please visit www.core-systems.com

M217S-F10 - 2U RUGGED RACKMOUNT SERVER

TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 3.5 in (8.89 cm), Width - 19.00 in (48.26 cm), Depth - 17.00 in (43.18 cm) Weight - 34 lbs (15.42 kg)
CPU	Intel® E5-2658v4 14-Core Processor 2.3GHz (2.8GHz Max Turbo Frequency) 9.6 GT/s; 35MB; Socket 2011; 105W TDP
EXPANSION SLOTS	4-Slot Front Riser Card
EXTERNAL BAYS	5x removable hot-swap SATA or SAS 2.5 or 3.5 HDDs
COOLING	Thermostatically controlled via motherboard
POWER SUPPLY	800W with 24 and 8 pin power connectors 110-220 VAC
SYSTEM BOARD	X9DR3-F, Socket 2011, 512GB ECC Reg. DDR3, PS/2 KB/M, DB9 Serial, VGA, 4-USB, 2-GBLAN, Onboard SAS, IPMI w/ KVM over IP
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.