

M213 - 2U RUGGED RACKMOUNT SERVER

Rugged System Built for Extreme Environments

The rugged M213 is a short-depth 2U rackmount server built for applications that require speed, reliability, and security. The high-performance M213 is designed to save space without sacrificing power thanks to our SWaP-Optimized design.



CUSTOM BUILT RUGGED SYSTEM



4X 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 four shock mounted hot-swap drives and supports the latest Intel® Quad and Hexa-Core CPUs while providing three full-height PCIe slots on the rear of the chassis. The rugged M213 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 M213 1U server, please visit www.core-systems.com

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TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 3.5 in (8.89 cm), Width - 17.75 in (45.08 cm), Depth - 13.00 in (33.02 cm) Weight - 18-22 lbs (8.16-9.97 kg)
CPU	Latest Dual Intel® Xeon® CPUs
EXPANSION SLOTS	Three (3) full-height, 3/4 length slots Multiple PCIe slot combinations are available
EXTERNAL BAYS	4x removable hot-swap SATA or SAS 2.5 or 3.5 HDDs
COOLING	Thermostatically controlled via motherboard
POWER SUPPLY	Option 1- (std) 120/240VAC w/PFC 2U redundant power supply Option 2- 120/240VAC w/PFC 2U power supply Option 3- 24VDC 2U power supply Option 4- 24VDC 2U redundant power supply
SYSTEM BOARD	Extended ATX Motherboard
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)



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.