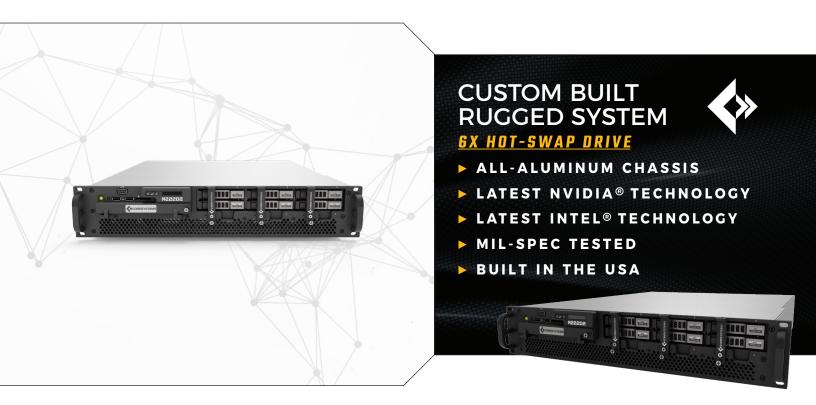


WWW.CORE-SYSTEMS.COM 858-391-1006

## M222 - 2U RUGGED RACKMOUNT SERVER

Rugged System Built for Extreme Environments

The rugged M222 is a short-depth 2U rackmount server built for applications that require speed, reliability, and security. The high-performance M222 is designed to save space without sacrificing power thanks to our SWaP-Optimized design.



Built with ultra-sturdy all-aluminum chassis, this rugged computer features six shock-mounted hot-swap drives and supports the latest Intel<sup>®</sup> Quad and Hexa-Core CPUs while providing six full-height PCIe slots on the rear of the chassis. The rugged M222 includes the latest single-stack NVIDIA<sup>®</sup> Tesla<sup>®</sup> GPU Card which provides our customers with high-performance data analytics and scientific computing abilities.

For more info on the M222 2U server, please visit www.core-systems.com



# M222 - 2U RUGGED RACKMOUNT SERVER

### **TECHNICAL SPECIFICATIONS**

MECHANICAL	Height - 3.5 in (8.89 cm), Width - 17.75 in (45.08 cm), Depth - 20.00 in (50.8 cm)
	Weight - 30-35 lbs (13.60-15.87 kg)
CPU	Latest Dual Intel <sup>®</sup> Xeon <sup>®</sup> CPUs
EXPANSION SLOTS	Six (6) full-height, 3/4 length slots; Multiple PCIe slot combinations are available
EXTERNAL BAYS	Option 1- Six (6) removable hot swap SATA or SAS 2.5 or 3.5 HDDs
	Option 2- Six (6) removable hot swap 2.5 SATA SSD HDDs
	Option 3- (offered along with option 1 or 2) One (1) slim line CD/DVD (R/W) or Blu-ray ODD
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
зноск	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)



#### <u>About us</u>

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.

#### www.CORE-SYSTEMS.com