NOMAD Series

2U Rugged Ampere Rack Mount Server

AMPERE

**Latest Generation AMPERE Altra & Altra Max Processors
Up to 256 Physical Cores for Exceptional Computing Power**

Feature highlights

- Up to 256 ARM-based physical cores
- Supports single and dual AMPERE Altra and Altra Max processors
- Supports up to 16 DDR4 DIMMs
- Provides up to four PCIe Gen4 x16 slots
- Supports up to 8 front removable drives
- Flexible I/O including high-speed Ethernet and MIL-1553
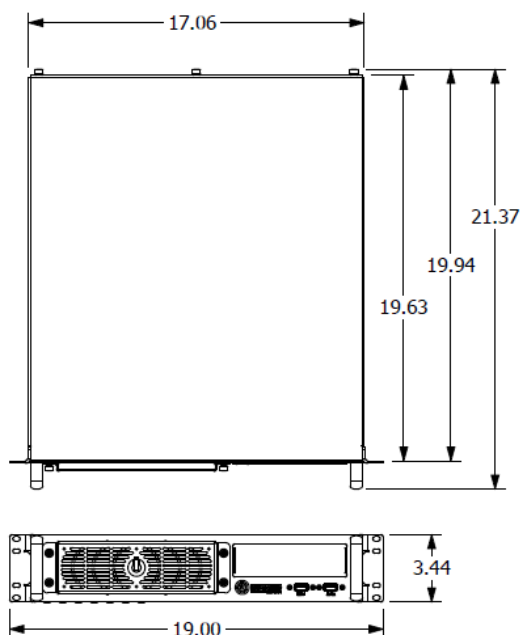- Operating Temperature: 0°C – 60°C

USB 1   USB 2

High-Core ARM Computing | Scalable Expansion
Rugged, Mission-Ready Design | Long-Term Stability

The Nomad Series 2U Ampere Rugged Rack Mount Server RRM-2200, built in a durable 2U chassis, delivers high-density ARM computing with military-grade reliability. Designed to operate in extreme conditions, it meets demanding military and industrial requirements to ensure continuous performance in challenging environments. Supporting single and dual AMPERE Altra and Altra Max processors, it provides scalable compute resources for specialized and mission-critical applications. Built on enterprise-class ARM server architecture, the RRM-2200 is designed for long-term platform stability and sustained deployment lifecycles. Featuring extensive connectivity and multiple PCIe Gen4 expansion slots, it integrates seamlessly into complex networks and data-intensive systems. Designed, assembled, and tested in Sparks, MD, USA, the RRM-2200 reflects Rugged Science's commitment to dependable engineering and operational excellence.
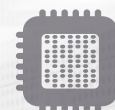
RUGGED SCIENCE

BIG DATA
RUGGEDIZED

RUGGED RACK MOUNT SERVERS

MILITARY TOUGH

Our product is designed to meet rigorous military standards, ensuring it performs reliably even in the harshest environments and toughest conditions.

LONG LIFECYCLE

Designed for long-term platform stability and extended product lifecycles, enhancing scalability and reducing total cost of ownership.

CONNECTABILITY

Our servers support a wide range of connectivity options and feature various PCIe slots, ensuring compatibility with diverse networking and expansion needs.

SYSTEM

Processor	Supports single or dual AMPERE Altra and Altra Max processors for high-core-count computing.
Memory	Supports up to 16 DDR4 DIMM slots
Storage	• Supports up to 8 front removable drives with SATA, NVMe U.3, or M.2 configurations
Environment	• Operating Temperature: 0°C to 60°C • Storage Temperature: -20°C to 70°C • Operating Humidity: 5% to 95% non-condensing • Non-Operating Humidity: 5% to 95% non-condensing • Operating Altitude: 0 to 10,000 ft (3,048 m) • Non-Operating Altitude: 0 to 30,000 ft (9,144 m)

*Temperature ranges vary based on configuration.

Dimensions: 17.06, 21.37, 19.94, 19.63, 3.44, 19.00

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