Quantum.

H2000 SERIES

Highly Flexible, Easy-to-Deploy, Simple-to-Manage Storage for Every Workflow Need

FEATURES & BENEFITS

Highly Available, Flexible Design

Every H2000 model has a dual controller hardware architecture built on PCIe 4.0, end-to-end 12G SAS connectivity, high-performance multi-core AMD CPUs and offers a wide choice of networking options including 100 GbE, 25 GbE, and up to 32 Gb Fibre Channel.

Tightly Integrated with StorNext

The H2000 Series is ideally suited for adding capacity to a StorNext File System environment where users can configure, monitor, and manage H2000 arrays directly from the StorNext 7 user interface.

Choose Your Ideal Configuration in a Highly Available, Flexible Design

The Quantum H2000 Series is a line of highly available, dual controller block storage systems used for scaling up the StorNext® File System capacity and other storage workflow needs. The H2000 Series is available in two server form factors, a 2U12 that offers 12 storage bays, and 2U24 that offers 24 storage bays. Each system can support different types of SSD and HDD storage, and be easily expanded for additional capacity using optional SAS expansion systems.

H2012 Front

H2024 Front

H2012 Rear

H2024 Rear

The H2000 Series 2U24 model offers several capacities of SSD or 10K RPM HDDs ideal for latency-sensitive workloads, while the 2U12 model supports NL-SAS HDDs and is ideal for sequential streaming workloads and building cost-effective storage capacity.

Every H2000 model has a dual controller hardware architecture built on PCIe 4.0, end-to-end 12G SAS connectivity, and high-performance multi-core AMD CPUs and offers a wide array of networking options including 100 GbE, 25 GbE, and up to 32 Gb Fibre Channel.
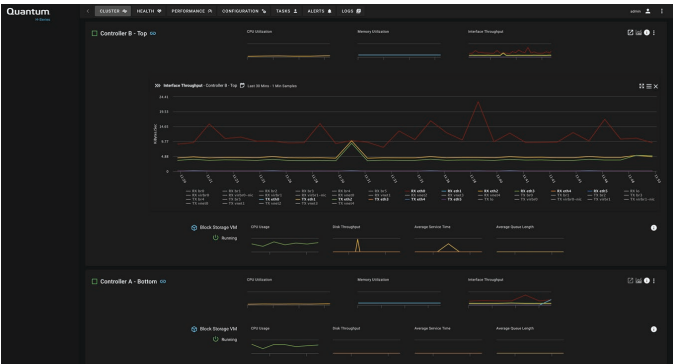
LEARN MORE:

www.quantum.com/h2000-series

Intuitive User Interface for the Best User Experience

The H2000 Series is ideally suited for adding capacity to a StorNext File System environment where StorNext 7 users can configure, monitor, and manage H2000 arrays directly from the StorNext 7 user interface.

For customers that deploy the H2000 Series as a block device in older StorNext File System environments or as a standalone block storage device, the H2000 Series provides an intuitive, simple user interface that makes it easy to configure volumes, monitor system health and system performance.

Configure, monitor, and manage H-Series systems directly from the StorNext user interface.

Specifications	H2012	H2024		2U12 JBOD	2U24 JBOD	
Form Factor	2U rack-mounted chassis					
Drives per Chassis	12	24		12	24	
Drive Options (SED or non-SED)	4 TB, 8 TB, 16 TB NL-SAS 7.2K RPM	1.92 TB, 7.68 TB, 15.36 TB SAS SSD 1.2 TB, 1.8 TB, 2.4 TB SAS 10K RPM		4 TB, 8 TB, 16 TB NL-SAS 7.2K RPM	1.92 TB, 7.68 TB, 15.36 TB SAS SSD 1.2 TB, 1.8 TB, 2.4 TB SAS 10K RPM	
Raw Capacity per Chassis (TB)	48 64 192	46 184 369	29 43 58	48 64 192	46 184 369	29 43 58
Usable Capacity per Chassis (TB)	40 80 160	38 154 307	24 36 48	40 80 160	38 154 307	24 36 48
Connectivity Cards Up to 3 cards per chassis	Dual 100 Gb / 40 GigE Quad 25 Gb / 10 GigE Quad 10GBASE-T Ethernet Quad 32 Gb Fibre Channel			12G SAS for expansion		
Onboard I/O	2x 10GBASE-T per controller for monitoring and management (4x total per array) 2x 12 Gbps SAS per controller (4x total per array)			N/A		
Management	Integrated IPMI 2.0 + KVM with dedicated LAN			Web-based management, SNMP		
Physical Dimensions	Height 3.43" (87 mm) Width 17.7" (450 mm) Depth 24.2" (614 mm) Weight 63 lbs (28.58 kg)	Height 3.43" (87 mm) Width 17.7" (450 mm) Depth 22.8" (580 mm) Weight 59 lbs (26.76 kg)		Height 3.43" (87 mm) Width 17.7" (450 mm) Depth 20.4" (518 mm) Weight 48 lbs (21.77 kg)	Height 3.43" (87 mm) Width 17.7" (450 mm) Depth 19.0" (483 mm) Weight 44 lbs (19.96 kg)	
Power Supplies	1300 W AC redundant			550 W AC redundant		
Power Supply Input	100 - 140 Vac / 12.5 A / 1000 W Max / 50-60 Hz 200 - 240 Vac / 8.5 A / 50-60 Hz			100 - 240 Vac / 7 A / 50-60 Hz	100 - 240 Vac / 7 A / 50-60 Hz	
Operating Temperature	0 °C to 35 °C (32 °F to 95 °F)					
Non-Operating Temperature	-20 °C to 70 °C (-4 °F to 158 °F)					
Operating Relative Humidity	5% to 95% non-condensing					

Quantum.