

Quantum.

H2000 SERIES

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



DATASHEET

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.

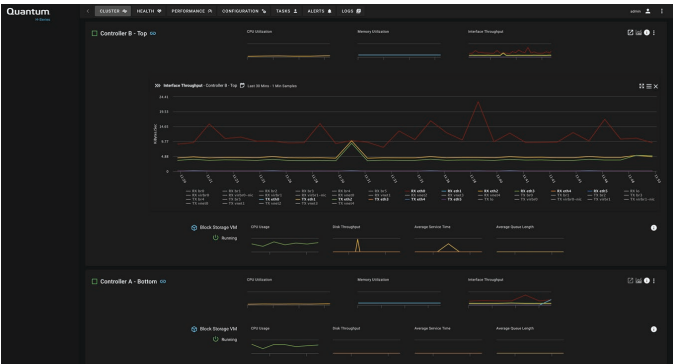
LEARN MORE:

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	46 29	48	46 29
	64	184 43	64	184 43
	192	369 58	192	369 58
Usable Capacity per Chassis (TB)	40	38 24	40	38 24
	80	154 36	80	154 36
	160	307 48	160	307 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 technology, software, and services provide the solutions that today's organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum's end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit www.quantum.com.

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