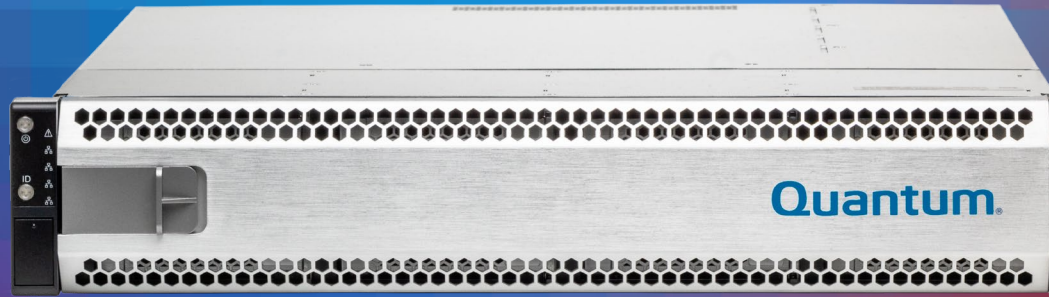


Quantum.

H4000 SERIES



DATASHEET

FEATURES & BENEFITS

Faster Time-to-Value with Dramatically Simplified StorNext User Experience

The H4000 appliances make it easy to deploy, configure, and administer the StorNext 7 File System on a compact 2U server.

Reduce Rack Space, Power, and Cooling Costs

The converged, compact design of the H4000 reduces components by 66%, rackspace, power, and cooling costs by over 50%.

Simplify Networking Complexity

By converging multiple servers and storage arrays into a single server, H4000 appliances simplify networking to make StorNext easy to deploy for even edge and remote environments.

Highly Available, Flexible Design

Every H4000 Series model is built on a dual controller architecture, with flexible storage and network connectivity options to meet the needs of any high-performance, low-latency workload.

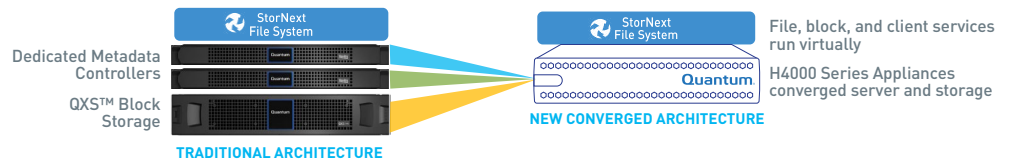
Powerful Hardware Delivers Maximum Performance and Value

The H4000 Series takes advantage of powerful hardware and standards such as PCIe 4.0, 12G SAS connectivity, and AMD CPUs to deliver maximum performance with the best ROI.

High-performance storage appliances for hosting the StorNext File System.

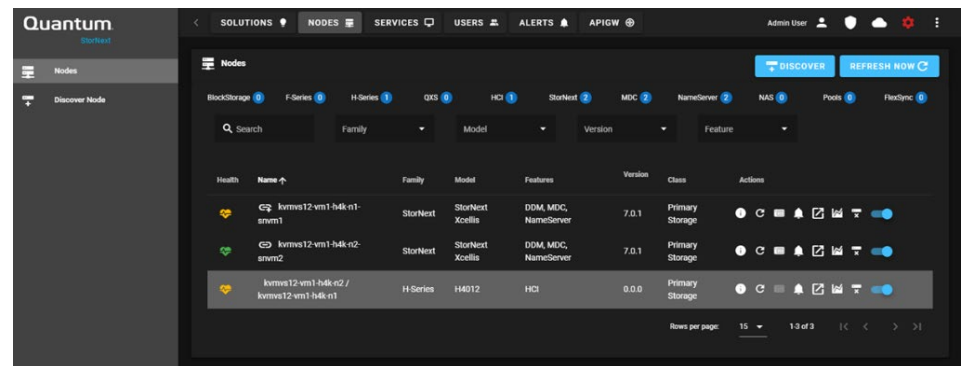
DELIVERING A SIMPLIFIED STORNEXT USER EXPERIENCE

The Quantum H4000 Series is a line of high-performance storage appliances for hosting the StorNext® 7 File System in only 2U of rack space. H4000 appliances can be used to scale out StorNext 7 client access for more performance, all running on the same server node. The StorNext 7 metadata controller, client access nodes, block services, and hypervisor services can all run on a single H4000 appliance.



By converging all of these components into a compact 2U server, the H4000 appliances eliminate networking complexity and administration, delivering a dramatically simplified StorNext user experience.

When operating StorNext 7 on an H4000 appliance, administrators can manage and monitor the H4000 storage directly from the StorNext 7 user interface, making it easy to manage an entire StorNext 7 File System cluster from a single interface.



LEARN MORE:

www.quantum.com/h4000

TECHNICAL SPECIFICATIONS

POWERFUL HARDWARE DELIVERS BEST PERFORMANCE AND VALUE

The H4000 Series is available in two configurations, a 2U12 and 2U24, that support different types of SSD and HDD storage form factors, and can be scaled up using optional JBODs.

The H4000 Series 2U24 model comes with SSD or 10K RPM HDDs for latency-

sensitive workloads, while the 2U12 model supports NL-SAS HDDs and is ideal for sequential streaming workloads and lower-cost storage options. Every H4000 model has a dual controller hardware architecture using high-performance multi-core AMD CPUs and offers flexible networking options that include 100 GbE, 25 GbE, and 32 Gb Fibre Channel.

The Quantum H4000 Series takes advantages of powerful hardware including PCIe 4.0, end-to-end 12G SAS connectivity, and DRAM write caching to deliver the best performance and best value for high-throughput, low-latency workloads.



H4012 Front



H4024 Front



H4012 Rear



H4024 Rear

Specifications	H4012	H4024	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	1.9 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	1.9 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 29 184 43 369 58	48 64 192	46 29 184 43 369 58
Useable Capacity per Chassis (TB)	40 80 160	38 24 154 36 307 48	40 80 160	38 24 154 36 307 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			

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Quantum technology and services help customers capture, create, and share digital content—and preserve and protect it for decades at the lowest cost. Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT, with solutions built for every stage of the data lifecycle, from high-performance ingest to real-time collaboration and analysis and low-cost archiving. Every day the world's leading entertainment companies, sports franchises, research scientists, government agencies, enterprises, and cloud providers are making the world happier, safer, and smarter on Quantum. See how at www.quantum.com.

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