

Quantum

# H4000 SERIES



## DATASHEET

### FEATURES & BENEFITS

#### Faster Time-to-Value

The H4000 appliances make it easy to deploy, configure, and administer the StorNext 7 File System on a compact 2U server, in virtually any environment, so you can focus on your business.

#### Increase Efficiency

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.

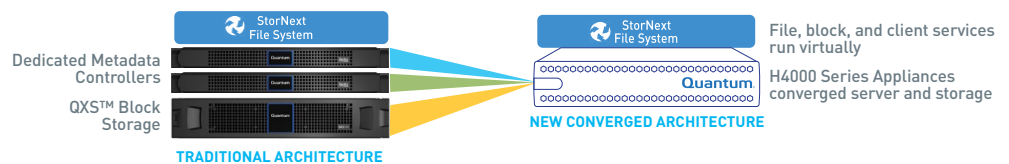
#### Maximum Performance and Value

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.

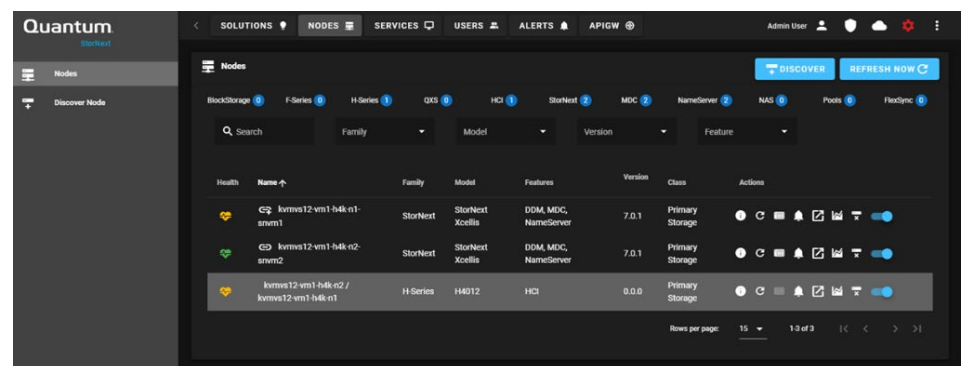
## High-performance appliances for hosting the StorNext File System.

### DELIVERING A SIMPLIFIED 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. The StorNext 7 metadata controller, client access nodes, block services, and hypervisor services can all run on a single H4000 appliance.



By converging these components into a compact 2U server, the H4000 appliances eliminate networking complexity and simplify administration, delivering a dramatically simplified user experience. 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](http://www.quantum.com/h4000)

# TECHNICAL SPECIFICATIONS

## POWERFUL HARDWARE DELIVERS BEST PERFORMANCE AND VALUE

The Quantum H4000 Series takes advantage 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

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.

Specifications	H4012	H4024	2U12 JBOD	2U24 JBOD
<b>Form Factor</b>	2U rack-mounted chassis			
<b>Drives per Chassis</b>	12	24	12	24
<b>Drive Options (SED or non-SED)</b>	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
<b>Raw Capacity per Chassis (TB)</b>	48 64 192	46 29 184 43 369 58	48 64 192	46 29 184 43 369 58
<b>Useable Capacity per Chassis (TB)</b>	40 80 160	38 24 154 36 307 48	40 80 160	38 24 154 36 307 48
<b>Connectivity Cards Up to 3 cards per chassis</b>	Dual 100 Gb / 40 GigE Quad 25 Gb / 10 GigE Quad 10GBASE-T Ethernet Quad 32 Gb Fibre Channel		12G SAS for expansion	
<b>Onboard I/O</b>	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	
<b>Management</b>	Integrated IPMI 2.0 + KVM with dedicated LAN		Web-based management, SNMP	
<b>Physical Dimensions</b>	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)
<b>Power Supplies</b>	1300 W AC redundant		550 W AC redundant	
<b>Power Supply Input</b>	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
<b>Operating Temperature</b>	0 °C to 35 °C (32 °F to 95 °F)			
<b>Non-Operating Temperature</b>	-20 °C to 70 °C (-4 °F to 158 °F)			
<b>Operating Relative Humidity</b>	5% to 95% non-condensing			



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