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Quantum Expands Line of Award-Winning NVMe Storage Appliances

New Quantum F1000 Delivers Lower-Priced NVMe Entry Point with Best-in-Class Price-Performance

SAN JOSE, Calif., Jan. 14, 2020 /PRNewswire/ -- Quantum Corp. (OTCPK: QMCO) today announced a new, lower-priced addition to the award-winning Quantum® F-Series family of NVMe storage appliances, the F1000. Leveraging software defined architecture introduced with the F2000, the F1000 exemplifies Quantum's commitment to an accelerated pace of product innovation, offering ultra-fast streaming performance and response times at a lower entry price. The F-Series is used by major studios, corporations, and government agencies to accelerate the capture, edit, and finishing of high-definition content, and speeds VFX and CGI render performance by 10x-100x, to develop cutting edge augmented and virtual reality.

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[*Click to tweet*: *New ultra-fast @QuantumCorp F1000 storage appliance raises the bar for #NVMe price/performance http://bit.ly/2khzTsu*]

NVMe Tuned for Video and Image-Based Workloads
Unlike more general purpose NVMe storage arrays, the Quantum F-Series was designed specifically for the video and image-based workloads that are critical to customers. This content can be high-definition video used for movie, TV, and sports production, marketing and advertising content, or image-based workloads that require high speed processing, such as the data from a satellite feed, a drone, a car used in the development of new automated driver assistance systems (ADAS), and more.

Quantum's customers are deploying F-Series NVMe systems as part of Quantum's StorNext® scale-out file storage cluster and leveraging the StorNext data

management capabilities to move data between NVMe storage pools and other storage pools. Customers can take advantage of the performance boost NVMe provides for workloads that require it, while continuing to use lower-cost storage for data where performance is less critical.

The Benefits of F-Series NVMe, at a Lower Price
Quantum customers are recognizing the benefits of F-Series NVMe appliances, not only to accelerate the workloads above, but to move from fiber channel networks to less expensive IP-based networks. However, many customers have voiced the need for a less expensive entry point into NVMe technology, which is what led to the development of the Quantum F1000.

The F1000 is a 1U NVMe storage server optimized for performance, without the high-availability design of the F2000. Using a single-controller server and optimizing the F-Series software stack to run with less CPU, the F1000 offers the same ultra-fast streaming performance, and extremely fast response times as the F2000, at a lower entry price. The Quantum F1000 offers performance that is 5x to 10x faster than an equivalent SAS SSD storage array, at a similar price.

The F1000 is available in two capacity points: 39 TB and 77 TB. It offers the same connectivity options as the F2000: 32 Gb fiber channel, or iSER / RDMA using 100 Gb Ethernet, and is designed to be deployed as part of a StorNext scale out file storage cluster.

The Power of Quantum's Software-Defined Architecture
The F1000 leverages the same software-defined block storage platform that was introduced with the Quantum F2000, which enabled Quantum to go from concept to completed design in less than one quarter. The introduction of the F1000 illustrates the power of Quantum's software-defined architecture and is an example of the accelerated pace of innovation that defines the new Quantum.

Industry Accolades for the F-Series

- 2019 NAB Show Product of the Year Awards
- 2019 ProductionHUB Award of Excellence
- 2019 TVB Europe Best of Show
- 2019 CSI Award – Best Data Storage Solution
- 2019 Digital Media World Awards, Special Merit – Post-Production Storage Category

Supporting Quotes
"Unstructured data is created in many ways as it enters its lifecycle," said Amita Potnis, Research Director, Infrastructure Systems, IDC. "Quantum's high-performance NVMe flash-based storage offering is well-suited to ultra-high-def content, high-resolution images, and other forms of video and video-like datasets. The F1000 shows great promise for addressing the requirements for ultra-fast reads and writes and parallel processing for a wide range of use cases."

"NVMe increasingly serves as primary storage in many tiered media storage applications and, for some smaller facilities, SSD storage often comprises the bulk of their capacity," noted Tom Coughlin, President, Coughlin Associates. "NVMe-based storage systems, such as the F-Series appliances from Quantum, allow modern studios to create high resolution

content faster, render animation and VFX content quicker, enable new AI-based media tools, and free media creatives to spend their time mastering their content rather than fighting their equipment."

"Our customers are hungry for the performance gains NVMe can bring to media and entertainment, government, and corporate IT workloads," noted Noah Kadner, Marketing Director, FCPWORKS. "The F1000 makes insanely fast NVMe storage available at a groundbreaking new entry point, which should be widely appealing."

"The F1000 provides a low-priced entry point for customers seeking the performance advantages of NVMe but don't require the high availability capabilities of the F2000," says Jamie Lerner, President and CEO, Quantum. "Our software defined approach enabled us to deliver the F1000 at an ambitious pace, moving from concept to general availability in under six months. This aggressive tempo of innovation ultimately enables our customers to be more agile in addressing their business challenges."

Additional Resources

- For more on the F-Series: https://www.quantum.com/f-series
- Read Coughlin Group's white paper "NVMe: Driving Changes in the Traditional M&E Storage Hierarchy": https://landing.quantum.com/benefits-of-transitioning-to-NVMe.html
- Register for the live webinar, February 4th at 10am PST with industry analyst Tom Coughlin, discussing NVMe advancements: https://www.brighttalk.com/webcast/13139/383236?utm_source=Quantum&utm_medium=brighttalk&utm_campaign=383236
- Download the NVMe for Media and Entertainment eBook: https://www.quantum.com/nvme-ebook

Photo Link: https://www.quantum.com/globalassets/Products/High-Performance-Shared-Storage-New/F-Series/f-series-ui-dashboard.png

Photo Caption: The new Quantum F1000 NVMe Storage Appliance - software-defined, Quantum-designed.

About Quantum
Quantum technology and services help customers capture, create and share digital content – and preserve and protect it for decades. With solutions built for every stage of the data lifecycle, Quantum's platforms provide the fastest performance for high-resolution video, images, and industrial IoT. That's why the world's leading entertainment companies, sports franchises, researchers, 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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