



Broadcom Enables the Most Secure and Efficient SANs with the Industry's Highest Density 64G Director

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New Gen 7 Cyber Resilient Director Delivers Massive Scale and Autonomous SAN Management

SAN JOSE, Calif., Aug. 15, 2023 (GLOBE NEWSWIRE) -- [Broadcom Inc.](#) (NASDAQ:AVGO), today announced the availability of the industry's most secure and highest density Gen 7 64G Fibre Channel Director—the 512-port and 256-port Brocade X7 Directors. The company also announced the Brocade 7850 Extension Switch, the industry's first 64G Fibre Channel switch, extending SANs over virtually any distance across the globe.

This latest product launch further expands Broadcom's Brocade 64G Fibre Channel portfolio, demonstrating unmatched industry innovation and technology leadership. The company also continues to address customer requirements related to data center infrastructure security and resiliency with a cyber-resilient SAN that mitigates cybersecurity and downtime risks.

Brocade Gen 7 Fibre Channel safeguards high-scale fabrics and enables efficient scalability. The Brocade X7 is the highest-density director for storage, consolidating more device connectivity into a single fabric. It also reduces capital expenses by consuming less rack space, and lowers operational cost by reducing power consumption, cooling, and management. What's more, Brocade Gen 7 implements many security measures that act autonomously to maintain the highest levels of security and resiliency quickly and efficiently. At the same time, Fibre Channel's closed network and point-to-point architecture prevents attackers from being able to see – let alone infiltrate – connected storage devices.

"Deploying a cyber-resilient SAN based on Brocade Gen 7 Fibre Channel is the most effective way to mitigate the cybersecurity and downtime risks associated with legacy infrastructure," said Dennis Makishima, vice president and general manager, Brocade Storage Networking division, Broadcom. "High density and global network extension technology enables Broadcom customers to build data center infrastructure that is scalable, secure, and reliable."

This, combined with integrated security, delivers a strong line of defense to protect an organization's valuable data. Here's how:

- Featuring industry-leading port density, integrated security, and autonomous SAN management technologies, the Brocade X7 Director is purpose built to protect mission-critical data from cybersecurity threats at scale. In addition, the Brocade 7850 Extension Switch extends security over distance to protect critical data being replicated across data centers.
- Brocade Gen 7 is a cyber resilient network built to take the guesswork out of protecting and managing data. With this release, Broadcom has further simplified SAN management and operations at scale. Large-scale IT environments can significantly improve their operational efficiency and ensure reliable security practices and policies, while dramatically decreasing the risk of human errors. With automated administrative routines and processes, enterprises reap dramatic savings in time otherwise spent maintaining high levels of security, troubleshooting issues, and optimizing application performance.

Broadcom has integrated security and autonomous SAN capabilities that build upon the inherent reliability and availability of Fibre Channel. Brocade Gen 7 technology provides peace of mind in a world of increasing threats and expands the traditional IT definitions of business continuity and disaster recovery.

With integrated security, data center-proven reliability and seamless scalability, the Brocade X7 Director and Brocade 7850 Extension Switch maximize the performance, productivity, and efficiency of enterprise storage investments and resources.

Brocade X7 Director: High-Density Blade for Increased Scalability

- To create high-scale fabrics, the Brocade X7 Director with the new 64-port blade increases the Brocade X7-8 Director capacity up to 512 x 64G ports in a 14U rack space and the Brocade X7-4 Director up to 256 x 64G ports in an 8U rack space. This increases the total system bandwidth up to 39.6Tb/s to handle more workloads, making it ideal for large-scale enterprise infrastructures.
- Utilizing SFP-DD transceivers enables 33 percent more device connectivity in a very dense footprint. This new director delivers unmatched port density to power large-scale storage environments that require increased capacity, greater throughput, and higher levels of security, resiliency, and operational efficiency.

Brocade 7850 Extension Switch: Cyber-resilient Replication Connectivity for Enterprise Storage

- The Brocade 7850 Extension Switch[®] securely moves more data, faster, over WAN connections for continuous data protection. With ample replication performance, up to 100Gb/s over distance, and built-in technology that overcomes the inherent challenges of latency and packet loss over long distance, the Brocade 7850 provides high-speed connectivity between locations to speed up replication performance— even over intercontinental distances.
- Organizations can now easily move large amounts of data to ensure critical data is available in the event of a disaster. The

Brocade 7850 includes a suite of features, from pre-deployment validation to advanced network failure recovery technologies, to protect data from WAN disruptions and outages. Moreover, data-in-flight security, coupled with the Brocade hardware and software robust security features, secures connections between data centers to safeguard data from threats over the WAN and to protect data from unauthorized access.

Availability

The high-density Brocade X7 Director and the Brocade 7850 Extension Switch are now available. Please contact your local Broadcom sales representative for more information. OEM partners will begin shipping throughout the next couple quarters. Click [here](#) to learn more about Brocade Fibre Channel networking solutions.

About Broadcom

Broadcom Inc. (NASDAQ: AVGO) is a global technology leader that designs, develops and supplies a broad range of semiconductor and infrastructure software solutions. Broadcom's category-leading product portfolio serves critical markets including data center, networking, enterprise software, broadband, wireless, storage and industrial. Our solutions include data center networking and storage, enterprise, mainframe and cybersecurity software focused on automation, monitoring and security, smartphone components, telecoms and factory automation. For more information, go to <https://www.broadcom.com>.

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Quotes

Drew Schulke, Vice President of Product Management, Dell Technologies

"Dell Technologies' Connectrix B-Series 64 Gb/s Fibre Channel switches deliver cyber resilient connectivity with the security and performance required by today's enterprise data centers. Through our longstanding Broadcom collaboration, including validated interoperability with Dell's industry-leading SAN infrastructure for simplified management, our solutions ensure enterprises can confidently support, scale and increase performance of their most demanding workloads."

Marcus Schneider, Deputy Head of Global Portfolio Management Platform Business, Fujitsu

"The new high-density Brocade Gen 7 Director and Extension Switch help enterprises overcome many of today's IT challenges. Customers demand solutions that help them manage data growth, secure critical applications, and protect against sophisticated cyber-attacks. Brocade Gen 7 Fibre Channel SANs combined with Fujitsu PRIMERGY Servers and ETERNUS Storage are among the building blocks that deliver high-performing and reliable IT systems that our customers expect."

Patrick Osborne, SVP and GM, Storage, HPE

"With the rapid proliferation of data, customers need to scale their data storage and management solutions with security, efficiency and resiliency. The new Brocade Gen 7 Fibre Channel Director and Extension Switch offer exceptional scalability and will allow HPE to continue delivering solutions like HPE GreenLake for Block Storage and the HPE Alletra portfolio that enable operational efficiency and simplified SAN management for our customers."

Dan McConnell, SVP and Product Management and Enablement CTO, Hitachi Vantara

"As generative AI and similar technologies drive exponential growth of data, securing that data across environments has become even more critical. To successfully navigate this challenge, it's essential to establish a resilient and scalable infrastructure capable of harnessing the data-centric benefits of hybrid cloud. Infrastructure should empower organizations to access data and extract valuable insights faster than ever before. At Hitachi Vantara, we are committed to providing the world's most powerful storage solutions designed to address the security, scale and performance challenges posed by AI-driven data growth. By combining the advanced capabilities of the Hitachi Virtual Storage Platform with these new cutting-edge Brocade Gen 7 Fibre Channel products, we can deliver exceptional security and performance for customer data centers embracing a hybrid cloud environment."



Source: Broadcom Inc.