

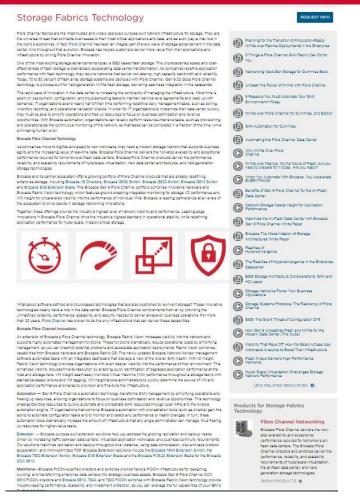
September 2020



Storage Fabrics Technology Page Resigned

https://www.broadcom.com/solutions/data-center/storage-fabrics-technology

Old way, lots of words and was very hard for customers to find our content



New way, all content built into categories making it easy for customers to find content





Sept 1, 2020 Broadcom Release Gen 7 Press Release

- Broadcom Unveils Industry's First Gen 7 64Gb/s Fibre Channel Switching Platforms Enabling an Autonomous SAN
 - Press Release:
 https://www.broadcom.com/company/news/product-releases/53756

Product News

NEWS

Product News Releases

Broadcom Unveils Industry's First Gen 7 64Gb/s Fibre Channel Switching Platforms Enabling an Autonomous SAN

New End-to-End 64Gb/s Storage Solutions Boast Industry-Leading Switches, Adapters, and Transceivers

SAN JOSE, Calif., Sept. 01, 2020 (GLOBE NEWSWIRE) — **Broadcom Inc.** (NASDAQ: AVGO) today announced the availability of the industry's first Gen 7 84Cbis Fibre Channel switching platforms— the Brocade XT Directors and G720 Switch, that are foundational infrastructure for the on-demand data center. Additionally, the company today announced the industry's first 64Gbis Fibre Channel optical transceiver, that is being qualified for use in Brocade switches and Emulex adapters, for end-to-end Gen 7 performance.

Brocade Gen 7 Fibre Channel combines unmatched performance, powerful analytics and advanced automation capabilities to enable an autonomous SAN. New 64Gb/s speed and 50 percent lower latency, powers the network for storage innovations like NVMe flash arrays. Gen 7 also adds new self-learning, self-optimizing and self-healing capabilities to automate SAN management. With the launch of Gen 7 Fibre Channel switching platforms, Broadcom is demonstrating its commitment to develop innovative Fibre Channel technology for the most trusted network for storage.

"Broadcom continues to lead the market and drive innovation with the launch of the industry's first end-to-end Gen 7 Fibre Channel portfolo," said Jack Rondoni, senior vice president and general manager, Brocade Storage Networking division, Broadcom. "Brocade Gen 7 harnesses the power of 64Gb/s switching technology and transforms current storage networks with autonomous SAN capabilities, simplifying management, and significantly reducing operational costs."

Technology is evolving at an incredible pace and businesses are demanding more from their IT resources and infrastructure. With the rapid adoption of flash storage and the ramp up of NVMe-based storage, organizations will move more data through a SAN than ever before. This requires a network capable of unleashing performance and maximizing ROI for storage investments. Brocade Gen 7 performance is powered by 64Gb/s line-rate speed along with a 50 percent reduction in latency. This ensures that the network will never be the bottleneck for current and future storage technologies.

Brocade Gen 7 today also introduces a range of autonomous technologies to simplify and automate management. A self-learning SAN leverages comprehensive data collection with powerful analytics to quickly understand the impact of current or trending problems. The self-optimizing capability utilizes actionable intelligence to automate network management and maximize performance. Learning traffic behavior enables the network to make smarter decisions on traffic prioritization, congestion management and notification to ensure optimal network performance for applications and storage.

A self-healing SAN raises the bar for network availability through automatic avoidance and recovery features. When potential disruptions or outages are detected, the network will automatically mitigate or resolve issues without intervention. These new autonomous technologies will greatly simplify SAN management and enable unparalleled network performance and reliability.

With almost three decades in the data center, Fibre Channel continues to be an essential piece of most enterprises' critical storage infrastructure due to its industry-leading reliability and long-lasting investment protection. With a foundation of six-nines availability and multi-generational compatibility, Fibre Channel continues to add new capabilities and value to address the evolving needs of storage customers.

"The enterprise storage industry is already well down the migration path to NVMe-based storage systems, and by 2021 over 50 percent of enterprise storage revenues driven by latency-sensitive primary workloads will come from the sale of these types of systems," said Eric Burgener, research vice president, infrastructure Systems, Platforms and Technologies Group, IDC. "To get the full performance benefits of NVMe in these systems requires NVMe over FC host connections, and more and more enterprises will be installing these types of extremely low latency networks as they deploy the next-generation applications needed in the digital era. NVMe over FC is the most efficient network transport protocol for these high performance networks, already broadly deployed in commercial environments today, and Gen 7 technology will enable the performance at scale these workloads demand."



Brocade X7 Directors

- New Brocade X7 Director page
- Assets available:
 - Brocade X7 Product Brief
 - Brocade Gen 7 Fibre Channel
 ESG Showcase Paper
 - Brocade Autonomous SAN ESG
 Showcase Paper
 - The Autonomous SAN Solution
 Brief
 - Brocade Gen 7 Enables an Autonomous SAN Video
 - Brocade Autonomous SAN Video

Brocade X7 Directors

FIND A PARTNER

REQUEST INFO

A faster, more intelligent, more resilient foundation for the on-demand data center

OVERVIEW SPECIFICATIONS DOCUMENTATION OPTIONAL PRODUCTS



Meet ever-increasing demands for quicker, more reliable data access with the Brocade X7 Director family. With ultra-low latency and 64 Gb/s links, these directors provide the highest level of performance needed for next-generation data centers. Combined with autonomous SAN technology, Brocade X7 Directors harness the power of analytics and the simplicity of automation to optimize performance, ensure reliability and simplify management. Leveraging these capabilities enables organizations to realize a self-learning, self-optimizing, and self-healing SAN, making the Brocade X7 Director a highly efficient and resilient solution.













Scalable

Maximize NVMe and high-transaction workloads with 50% lower latency compared to Gen 6 to the performance through 64Gb/s links





Transform data into actionable insights to optimize performance and ensure reliability with built-in analytics





Automate actions to simplify management and resolve issues without intervention with automation



[PDF] Brocade X7 Director Product Brief

Features

Faster

Modernize the SAN to meet the requirements of an on-demand data center

- · Maximize NVMe and high-transaction workloads with 50 percent lower latency
- . Scale more devices, applications and workloads with 64 Gb/s links
- . Increase visibility and simplify operations with a modern SAN management tool
- . Eliminate third party tools with integrated analytics

Transform telemetry data into actionable insights to optimize performance and ensure reliability

- . Collect and transform millions of data points into actionable intelligence
- Visualize application and device-based performance and health metrics
- . Detect abnormal traffic behaviors and degraded performance
- . Simplify troubleshooting by identifying and isolating issues

Automate actions to simplify management and resolve issues without intervention

- Instantly notify and-devices of congestion for automatic resolution
- · Guarantee application performance by proactively monitoring and load balancing traffic
- Ensure data delivery with automatic failover from physical or congestion issues
- Reduce human error and streamline processes by automating repetitive daily tasks through open DevOps automation technology



- New Brocade G720 Switch page
- Assets available:
 - Brocade G720 Product Brief
 - Brocade Gen 7 Fibre Channel ESG Showcase Paper
 - Brocade Autonomous SAN ESG Showcase Paper
 - The Autonomous SAN Solution Brief
 - Brocade Gen 7 Enables an Autonomous SAN Video
 - Brocade Autonomous SAN Video

Brocade G720 Switch

FIND A PARTNER

REQUEST INFO

Maximize performance and simplify daily tasks with a building-block switch

OVERVIEW SPECIFICATIONS DOCUMENTATION OPTIONAL PRODUCTS



Leverage the benefits of automation and high performance with the Brocade G720 Switch. Delivering unmatched 64Gb/s performance and industry-leading port density, this Gen 7 Fibre Channel switch delivers a building block that supports data growth, demanding workloads, and data-center consolidation. With a 50 percent latency reduction compared to the previous generation, this powerful switch enables the maximum performance for NVMe storage and hightransaction workloads

Breakthrough

Management

Analytics

Advanced







84Gb/s links and 50%



deployment and management with easy-to-use tools



and reliability with built-in visibility and



tasks and resolve issues without intervention



PDF] Brocade G720 Switch Product Brief

Modernize the SAN for critical workloads and new storage technologies

- · Accelerate critical workloads with 64Gb/s links
- Maximize performance of NVMe storage with 50 percent lower switching latency than Gen 6
- . Easily migrate to NVMe storage with proven infrastructure
- · Increase visibility and simplify operations with an easy-to-use modern SAN management tool

Optimize performance and eliminate disruptions with built-in visibility and analytics

- · Collect comprehensive telemetry data across the fabric to enable powerful analytics
- · Visualize the data to easily understand the health and performance of the SAN
- · Detect issues and provide actionable insights to avoid problems
- · Simplify troubleshooting by identifying and isolating issues

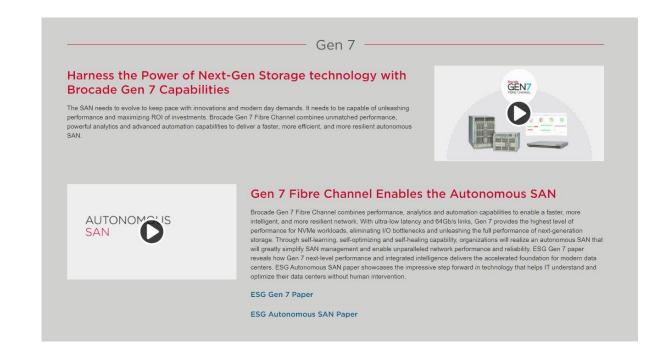
Simplify deployment, configuration, and management of SAN resources

- · Reduce number of steps to deploy and configure a switch with EZSwitchSetup
- · Identify and eliminate congestion with self-healing tools
- · Automate repetitive tasks to save time and eliminate human error
- · Automate troubleshooting and mitigate disruptions with limited expertise



List of Assets

- Storage Fabrics Technology Page
- New Brocade X7 Director page
- New Brocade G720 Switch page
- Updated FOS page
- SANnav Management Portal page
- Brocade X7 Product Brief
- Brocade G720 Product Brief
- Brocade Gen 7 Fibre Channel ESG Showcase Paper
- Brocade Autonomous SAN ESG Showcase Paper
- The Autonomous SAN Solution Brief
- Brocade Gen 7 Enables an Autonomous SAN Video
- Brocade Autonomous SAN Video
- Brocade Fabric OS Product Brief
- Brocade SANnav Management Portal and Global View Product Brief
- Brocade Fabric Vision Technology Product Brief





Brocade Gen 7 Classes

Pre-sales open to internal and OEMs, hardware and software open to external

Pre-sales

- Pre-Sales Training –
 Introduction to Brocade
 Gen 7 Fibre Channel
- Pre-Sales Training -Brocade Analytics



Learning@Broadcom

Hardware

- Introduction to Brocade Gen 7 Director Hardware (HWG7D-120)
- Introduction to Brocade Gen 7 Switch Hardware (HWG7S-120)
- Gen 7 Switch and Director Product Update Training (PUT-234)

Software

- Fabric OS V9.0 Product Update (PUT-235)
- SANnav v2.1.0 Product Update (PUT-236)
- SANnav v2.1.0 Management Portal Inventory (MPIV-220)
- SANnav v2.1.0 Management Portal Event Management (MPEV-220)
- SANnav v2.1.0 Management Portal User Accounts (MPUA-220)
- SANnav v2.1.0 Global View Overview (GVOV-220)



