

HPE B-series SN6700B Fibre Channel Switch



What's new

- Increase scalability with a double-density (DD) Port-On-Demand (POD) Kit upgrade. Each transceiver within the kit provides 2x the bandwidth with dual SN connections.
- Switch offerings as well as Port-on-Demand upgrade kits bundled with 64Gb optics.
- HPE B-series Gen7 64Gb Fibre Channel Switch technology enables organizations to realize a self-learning, self-optimizing, and self-healing autonomous SAN.
- HPE B-series Gen7 64Gb FC Switch technology combines powerful analytics and advanced automation capabilities to accelerate data access, adapt to evolving requirements, and drive 24x7 operations.

Overview

Are you struggling to meet the I/O demands of hyper-scale virtualization, large cloud infrastructures, and growing, NVMe storage environments?

The HPE B-series SN6700B Fibre Channel Switch is a high-performance, ultra-dense, highly scalable, and easy-to-use enterprise-class storage networking switch delivering Gen7 64Gb Fibre Channel (FC) capabilities. It is designed to support data growth, demanding workloads, and data center consolidation in small to large scale enterprise infrastructures. Delivering 64Gb performance, customized high port density, and integrated network sensors, it accelerates data access, adapts to evolving requirements, and drives 24x7 businesses. It can scale from 24 to 64 ports, all in an efficient 1U package. In addition, a simplified deployment process and a point-and-click user interface make the HPE B-series SN6700B Fibre Channel Switch easy to use.

Features

Increase Performance for Application and Solid State Storage Architectures

The HPE B-series SN6700B Fibre Channel Switch delivers increased performance through a combination of improved throughput and low latency across 64Gb links in hyper-scale virtualization, large cloud infrastructures, and growing flash-based storage environments.

Improved performance of NVMe storage with 50% lower switching latency than 32Gb. Latency for locally switched ports is 460 ns including forward error correction (FEC). [1]

With 48 SFP+ ports and 8 DD ports, it can scale up to 64 device ports for an aggregate throughput of 4.096Tbps. [2]

Ultra-dense and Highly Scalable

The HPE B-series SN6700B Fibre Channel Switch scales up to 64 device ports in an efficiently designed 1U form factor, delivering increased port density and space utilization for simplified scalability.

Each of the 48 SFP+ ports and 8 DD ports supports 8, 10, 16, 32, and 64Gb FC speeds.

Provides flexibility to utilize high-speed 64Gb and 32Gb optics on demand to meet growing data center needs and provide backward compatibility to older infrastructures.



Technical specifications

HPE B-series SN6700B Fibre Channel Switch

Port speed	64Gb
Aggregate switch bandwidth	4.096 Tbps
Encryption capability	In-flight Encryption
Protocol supported	Fibre Channel
Management software	All offerings include Fabric Vision, ISL Trunking, Extended Fabric, Integrated Routing, and FICON CUP. (The HPE B-series SN6700B Fibre Channel Switch now comes standard with all the software features previously associated with Power Pack+)
Availability features	Hot code load, Ports-on-Demand with no downtime
Form factor	1U
Model availability	Bundled with 24 32Gb or 64Gb optics and offered in 24-port active port-side-exhaust or 24-port active port-side-intake
Upgradability	8-port SFP+ or 16-port DD Port-on-Demand upgrade kits enabling additional fibre channel ports
Media types	SFP+ and DD Transceivers
Ports	24 to 64 48 SFP+ ports and 8 DD ports (each DD port provides 2 SN connections, making 16 ports available for device or ISL connectivity)
Product dimensions (imperial)	7.32 x 1.73 x 14 in
Weight	15.8 lb with two power supply FRUs, without transceivers

[1] , [2] : Internal Brocade comparison to Brocade G620 (HPE SN6600B Fibre Channel Switch), March 2021.
(<https://docs.broadcom.com/doc/G720-Switch-PB>)



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

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Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GreenLake

HPE GreenLake [edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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[PSN1013115070USEN](#), September, 2023.