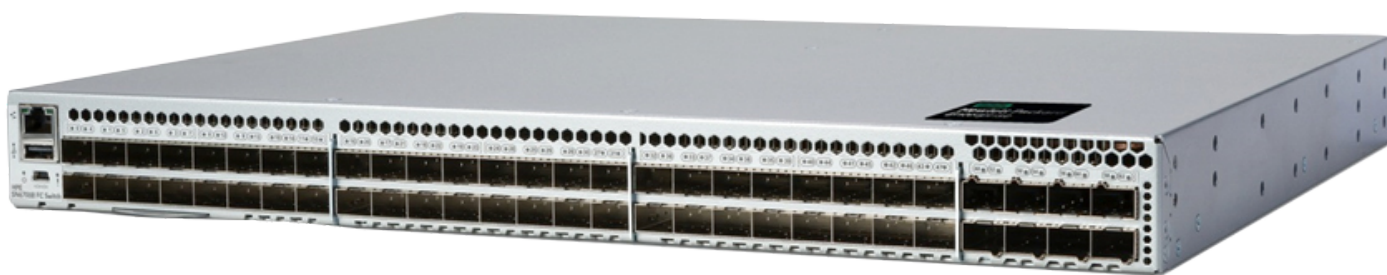


HPE Storage Fibre Channel Switch B-series SN6700B

HPE SN6700B 64Gb 56/24 24-port 64Gb Short Wave SFP56 Port Side Intake Integrated FC Switch (R7M14A)



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 Storage B-series Gen7 64Gb FC switch technology enables organizations to realize a self-learning, self-optimizing, and self-healing autonomous SAN.
- HPE Storage B-series Gen7 64Gb FC switch technology combines 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 Storage Fibre Channel Switch B-series SN6700B 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 Storage Fibre Channel Switch B-series SN6700B easy to use.

Features

Increase Performance for Application and Solid State Storage Architectures

The HPE Storage Fibre Channel Switch B-series SN6700B 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 460ns 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 Storage Fibre Channel Switch B-series SN6700B 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 SN6700B 64Gb 56/24 24-port 64Gb Short Wave SFP56 Port Side Intake Integrated FC Switch

Product Number	R7M14A
Port speed	64Gb
Aggregate switch bandwidth	4.096 Tbps, maximum
Encryption capability	In-flight encryption, AES-GCM-256
Protocol supported	Fibre Channel
Availability features	Hot code load, ports on demand with no downtime hot-swappable redundant power supplies with integrated cooling fans
Form factor	1U
Upgradability	Activate additional ports using 8 port SFP and 16 port DD POD Kit upgrades
Media types	Supports 64Gb, 32Gb SFP and 64Gb DD transceivers
Ports	24-ports active with 24 64Gb SW transceivers
Software (optional)	SANnav, All offerings include HPE Power Pack+ (Fabric Vision, ISL Trunking, Extended Fabric, Integrated Routing, and FICON CUP)
Product dimensions	440 x 43.9 x 355.6 mm
Weight	7.17 kg 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.

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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.

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- **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.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

HPE Education Services

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

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