



HPE SN6700B 64GB 56/24 24-PORT 32GB SHORT WAVE SFP28 INTEGRATED FIBRE CHANNEL SWITCH (R6B05A)

B-series Switches

WHAT'S NEW

- 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, flash-based 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 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 56 SFP+ 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 56 SFP+ ports, it can scale up to 56 device ports for an aggregate throughput of 3.584Tb/s. [1]

Ultra-dense and Highly Scalable

The HPE B-series SN6700B Fibre Channel Switch scales up to 56 FC ports in an efficiently designed 1U form factor, delivering increased port density and space utilization for simplified scalability.

Each of the 56 SFP+ 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 32Gb Short Wave SFP28 Integrated Fibre Channel Switch

Product Number	R6B05A
Port speed	64Gb
Aggregate switch bandwidth	3.584 Tbps
Encryption capability	In-flight Encryption
Protocol supported	Fibre Channel
Availability features	Hot code load, Ports-On-Demand with no downtime
Form factor	1U
Upgradability	8-port Port-on-Demand upgrade kits are available to expand the number of active ports. The POD kits include both a license to activate the ports as well as the transceivers.
Software (optional)	HPE SANnav Management Software, HPE Network Orchestrator
Product Dimensions (metric)	440 (W) x 43.9 (H) x 355.6 (D)
Weight	7.17 kg with two power supply FRUs, without transceivers



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

HPE POINTNEXT SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support 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](#) is HPE's market-leading IT 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. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[1] Internal Brocade comparison to Brocade G620 (HPE SN6600B Fibre Channel Switch), September 2020.
(<https://docs.broadcom.com/doc/G720-Switch-PB>)

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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.

Image may differ from the actual product
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