Hewlett Packard Enterprise

HPE SN6700B 64GB 56/24 24-PORT 32GB SHORT WAVE SFP28 PORT SIDE INTAKE INTEGRATED FC SWITCH (R6B06A)

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

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

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.

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 Port Side Intake Integrated FC Switch

Product Number (SKU)	R6B06A
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

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

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 Datacenter Care** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.

- **HPE Proactive Care** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). Read more

- **HPE Foundation Care** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. Read more.

Other related services

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

HPE Service Credits offers a menu of technical services, access additional resources, and specialist skills.

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.

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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