

HPE Storage Fibre Channel Switch B-series SN6750B

HPE SN6750B 64Gb 48/128 48-port 64Gb Short Wave SFP56 Integrated Fibre Channel Switch (R8U61A)



What's new

- Features switch offerings with 64Gb optics as well as Port-on-Demand upgrade kits bundled with 64Gb optics or 64Gb double-density (DD) optics, enabling scaling from 48 to 128 ports.
- HPE Storage SN6750B Gen7 64Gb fibre channel switch technology enables organizations to realize a self-learning, self-optimizing, and self-healing autonomous SAN.
- HPE Storage SN6750B Gen7 64Gb fibre channel switch technology enables organizations to realize a self-learning, self-optimizing, and self-healing autonomous SAN.

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 Storage Fibre Channel Switch B-series SN6750B is an ultra-dense, high-performance, highly scalable, enterprise-class storage networking switch delivering Gen7 64Gb Fibre Channel capabilities. It is designed to support data growth, demanding workloads, and data center consolidation in large scale enterprise infrastructures. Delivering 64Gb performance and high port density, it accelerates data access, adapts to evolving requirements, and drives 24x7 businesses. It can scale from 48 to 128 ports with Port On Demand (POD) upgrades in a 2U package enabling organizations to create high-scale fabrics in less space. In addition, with a 50% latency reduction compared to the previous generation and no oversubscription, the switch improves performance of NVMe storage and high-transaction workloads.[1]

Features

Enhanced Security

With enhanced security and autonomous SAN technology, the HPE Storage Fibre Channel Switch B-series SN6750B takes the guesswork out of protecting and managing a network.

It enables a cyber-resilient network that protects against security threats, enables nonstop operations, and increases management automation.

Increase Performance for Application and Solid State Storage Architectures

The HPE Storage Fibre Channel Switch B-series SN6750B 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 96 SFP+ ports and 16 DD ports, it can scale up to 128 device ports for an aggregate throughput of 8.192Tbps. [1]

Ultra-dense and Highly Scalable

The HPE Storage Fibre Channel Switch B-series SN6750B scales up to 128 device ports in an efficiently designed 2U form factor, delivering increased port density and space utilization for simplified scalability.

Each of the 96 SFP+ ports and 16 DD ports supports 8, 10, 16, 32, and 64Gb FC speeds.

Provides flexibility to utilize high-speed 64Gb, 64Gb DD, 32Gb, 10Gb optics on demand to meet growing data center needs and provide backward compatibility to older infrastructures.

| Technical specifications | HPE SN6750B 64Gb 48/128 48-port 64Gb Short Wave SFP56 Integrated Fibre Channel Switch |
|-----------------------------------|---|
| Product Number | R8U61A |
| Port speed | 64Gb |
| Aggregate switch bandwidth | 8.192 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 | 2U |
| Upgradability | Activate additional ports using 24 port SFP and 32 port DD POD Kit upgrades |
| Media types | Supports 64Gb, 32Gb SFP and 64Gb DD transceivers |
| Ports | 48-port active with 48 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 86.7 x 609.6 mm |
| Weight | 18.92 kg with two power supply FRUs and three fan FRUs, without transceivers |

[1] Internal Brocade comparison to Brocade G730 Switch (HPE SN6600B Fibre Channel Switch), March 2021. (<https://docs.broadcom.com/doc/G730-Switch-PB>)

HPE Services

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.

[Advisory & Professional 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.

[Support 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.
- **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.

[Lifecycle Services](#)

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

[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.

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

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

Visit [HPE.com](https://www.hpe.com)

[Chat now](#)

© Copyright 2026 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

[PSN1014666469FIEN](#), March, 2026.

HEWLETT PACKARD ENTERPRISE

[hpe.com](https://www.hpe.com)

