HPE SN6710C 64Gb 24/8 64Gb Short Wave SFP+ Fibre Channel v2 Switch (S1V10B)



What's new

- HPE Storage Fibre Channel Switch C-Series SN6710C configurations.
- 8-port upgrade license.
- SKUs with up-front cost relief (designated by "v2" in description).

Overview

Are you looking for a high-performance Fibre Channel (FC) switch for the modern SAN? The HPE Storage Fibre Channel Switch C-Series SN6710C delivers 64 or 32 Gbps Fibre Channel switching providing high-speed FC connectivity from the server rack to the SAN core. It empowers midsize, enterprise, and large enterprises that are rapidly deploying cloud-scale applications using extremely dense virtualized servers, providing the dual benefits of greater bandwidth and consolidation. The switch offers state-of-the-art analytics and telemetry capability built into its ASIC platform. For increased flexibility, the HPE Storage Fibre Channel Switch C-Series SN6710C is available with partially populated or fully populated ports with either 64Gb or 32Gb speeds. Additionally, investing in this switch for the lower-speed (32 Gbps) server rack gives you the flexibility to upgrade to 64 Gbps performance in the future.

Features

High Performance for All-flash Arrays and Virtualized Workloads.

The HPE Storage Fibre Channel Switch C-Series SN6710C provides consistent 64 or 32 Gbps low-latency performance across every FC port on the switch.

Delivers increased performance with an aggregate bandwidth of 1.5-Tbps end-to-end full duplex for growing and dynamic workloads.

Delivers the same outstanding availability and reliability as the previous generation switch by providing optional redundancy on all major components such as power supplies and fans.

Provides visibility into each virtual machine logged into the fabric through host bus adapters (HBAs) capable of priority tagging the virtual machine identifier (VMID) on every FC frame.

Onboard hardware that protects the entire system from malicious attacks by limiting access to critical components such as the bootloader, system image loader, and Joint Test Action Group (JTAG) interface.

Investment Protection

Available with 32Gb FC SFP+ or 64Gb FC SFP+ optics to accommodate your budget.

Intelligent Network Services for Modern SAN

The HPE Storage Fibre Channel Switch C-Series SN6710C supports slow-drain detection and isolation, VSAN technology, access control lists for hardware-based intelligent frame processing, smart zoning, and other services.

The VSAN technology provides a cost-effective way to consolidate resources while providing high resiliency to potential fabric disruptions.

Provides powerful NX-API capabilities to enable flexible and rapid programming of utilities for the SAN.

Easy Manageability

Provides intelligent diagnostics tools such as Inter-Switch Link (ISL) and HBA diagnostics, remote SFP (read diagnostic parameter) diagnostics, remote port beaconing and link level forward error correction (FEC) for faster problem resolution and reduced service costs.

Consolidate separate physical SAN fabrics into one large fabric for ease of management and reduced total cost of ownership.

Nexus Dashboard Fabric Controller (NDFC) [1] software provides a centralized management tool with task-based wizards. These features are available with the HPE SN6710C/SN6720C Advantage license.

HPE C-series SAN analytics delivers deep visibility into I/O traffic between the compute and the storage infrastructure. These features will be available with the HPE C-series SN6710C/SN6720C premier license (available at a future date).



Technical specifications

HPE SN6710C 64Gb 24/8 64Gb Short Wave SFP+ Fibre Channel v2 Switch

Product Number	S1V10B
Port speed	64Gbps Fibre Channel
Aggregate switch bandwidth	Aggregate bandwidth of 1.5-Tbps end-to-end full duplex
Encryption capability	Simple Network Management Protocol Version 3 (SNMPv3) implementing Advanced Encryption Standard (AES)
Protocol supported	Fibre Channel
Availability features	Delivers the same outstanding availability and reliability as the previous generation HPE Storage Fibre Channel Switch C-series SN6610C by providing optional redundancy on all major components such as power supplies and fans.
Form factor	1 Rack Unit (1RU)
Upgradability	Up to 24-ports with SFP+ transceivers (choice of 32Gb or 64Gb)
Software (required)	NX-OS Release 9.3(1) or later.
Ports	24 ports up to 64Gb FC
Software (optional)	Premier subscription license (available at a future date) and Advantage subscription license. The Premier subscription license includes Enterprise, NDFC and SAN analytics features, and the Advantage subscription license includes enterprise and NDFC features.
Product dimensions	4.37 cm x 43.94 cm x 45.72 cm
Weight	8.5 kg

[1] Starting from release 12.0.1a, Cisco Data Center Network Manager (DCNM) is renamed Cisco Nexus Dashboard Fabric Controller (NDFC).

For additional technical information, available models and options, please reference the QuickSpecs

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.

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.

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.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

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.

Explore **HPE GreenLake**

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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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