HPE Storage Fibre Channel Switch C-series SN6720C

HPE SN6720C 64Gb 48/24 Fibre Channel Switch (S1V07A)

What's new

- HPE Storage Fibre Channel Switch C-series SN6720C configurations.
- 8 port upgrade license, subscription-based Advantage and Premier license bundles with Cisco Nexus Dashboard Fabric Controller (NDFC), Enterprise and SAN Analytics.
- SKU options with up-front cost relief (designated by "v2" in descriptions).

Overview

Are you looking for a high-performance Fibre Channel (FC) switch for the modern SAN? The HPE Storage Fibre Channel Switch C-series SN6720C delivers 32 or 64 Gbps Fibre Channel switching, providing high-speed FC connectivity from the server rack to the SAN core. It empowers small, midsize, and large enterprises 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 SN6720C is available partially populated or fully populated with either 64 Gb or 32 Gb transceivers. 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 SN6720C provides consistent 64 or 32 Gbps low-latency performance across every FC port on the switch.

Delivers increased performance with an aggregate bandwidth of 3 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 32 Gb FC SFP+ or 64 Gb FC SFP+ optics to accommodate your budget.

Intelligent Network Services for Modern SAN

The HPE Storage Fibre Channel Switch C-series SN6720C 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 compute and the storage infrastructure. These features are available with the HPE Storage Fibre Channel Switch C-series SN6710C/SN6720C Premier license.

Technical specifications	HPE SN6720C 64Gb 48/24 Fibre Channel Switch
Product Number	S1V07A
Port speed	64 Gb
Ports	24-port active
Aggregate switch bandwidth	3 Tbps maximum
Encryption capability	SNMP V3 implementing AES, hardware-assisted FC link encryption, FC-SP ESP payload encryption, Cisco TrustSec payload encryption
Protocol supported	Fibre Channel
Availability features	Non-disruptive software upgrades, hot-swappable and dual redundant power supplies, hot-swappable fan trays, hot-swappable SFP+ optics, stateful process restart
Media types	Supports 64 Gb, 32 Gb, and 16 Gb transceivers
Management software	SMI-S compliant Command Line Interface (CLI) Cisco DCNM/NDFC web services API
Upgradability	Activate additional ports using 8 port upgrade license
Software (optional)	Port upgrade license, Advantage license (1, 3, 5 years), Premier license (1, 3, 5 years)
Form factor	1 RU
Warranty	The Hardware Warranty is 1-year parts, 1-year on-site (standard business hours, next business day response) and 1-year labor. For more information, refer to the HPE website at https://hpe.com/support.

[1] Starting from release 12.0.1a, Cisco Data Center Network Manager (DCNM) is renamed Cisco Nexus Dashboard Fabric Controller (NDFC). As of Nexus Dashboard 3.2.1, NDFC is fully integrated with Nexus Dashboard (ND).

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.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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

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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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