HPE SN6610C 32Gb 32/24 32Gb Short Wave SFP+ Fibre Channel v2 Switch (S1R84B)



What's new

- New subscription-based Advantage and Premier license bundles with Cisco Data Center Network Manager (DCNM), Enterprise and SAN Analytics

Overview

Are you looking for a high performance Fibre Channel switch for the modern storage area network?

The HPE Storage Fibre Channel Switch C-series SN6610C delivers 32 Gbps Fibre Channel (FC) 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-art analytics and telemetry capability built into its ASIC platform. For increased flexibility, the HPE Storage Fibre Channel Switch C-series SN6610C scales from 8 to 32-ports. Additionally, investing in this switch for the lower-speed (8 or 16 Gbps) server rack gives you the flexibility to upgrade to 32 Gbps performance in the future.

Features

High Performance for All-flash Arrays and Virtualized Workloads

HPE Storage Fibre Channel Switch C-series SN6610C provides consistent 32 Gbps low-latency performance across every FC port on the switch.

Delivers increased performance with an aggregate bandwidth of 1024 Gbps for growing and dynamic workloads.

Delivers the same outstanding availability and reliability as previous generation HPE Storage Fibre Channel Switch C-series SN6610C 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 HBAs capable of priority tagging the Virtual Machine Identifier (VMID) on every FC frame.

On-board 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

The HPE Storage Fibre Channel Switch C-series SN6610C provides an option to deploy as few as eight 32 Gbps Fibre Channel (FC) ports which can grow from 8 ports to 16 ports, and thereafter with a port expansion module. Expanding up to a maximum of 32 ports.

Configurable with 16 Gb FC SFP+ or 32 Gb FC SFP+ optics to accommodate your budget while being fully prepared for tomorrow.

Lower initial investment and power consumption for entry-level configurations of up to 8 ports compared to a fully loaded 32-port switch.

Intelligent Network Services for Modern SAN

The HPE Storage Fibre Channel Switch C-series SN6610C supports slow-drain detection and isolation, VSAN technology, access control lists for hardware-based intelligent frame processing, smart zoning, and other various services.

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

Provides powerful Representational State Transfer (REST) and NX-API capabilities to enable flexible and rapid programming of utilities for the SAN.

Easy Manageability

The HPE Storage Fibre Channel Switch C-series SN6610C provides intelligent diagnostics tools such as inter-switch link diagnostics, read diagnostic parameters, protocol decoding, network analysis tools, and others for improved reliability, 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.

Cisco Data Center Network Manager (Essentials Edition) software, included with switch, provides a centralized management tool with task-based wizards. Additional advanced features are available with the DCNM licensed version, sold separately.

Starting NX-OS 9.2(1), DCNM is renamed as Cisco Nexus Dashboard Fabric Controller (NDFC).

HPE C-series SAN Insights (Cisco SAN Analytics) delivers deep visibility into I/O traffic between the compute and the storage infrastructure. This information is in addition to the already-available visibility obtained from individual ports, switches, servers, virtual machines, and storage arrays.



Technical specifications

HPE SN6610C 32Gb 32/24 32Gb Short Wave SFP+ Fibre Channel v2 Switch

Product Number	S1R84B
Port speed	32 Gbps Fibre Channel
Aggregate switch bandwidth	1024 Gbps, maximum, depending on model
Encryption capability	AES 128-bit
Protocol supported	Fibre Channel
Management software	Nexus Dashboard Fabric Controller (NDFC) formerly DCNM
Availability features	Delivers the same outstanding availability and reliability as previous generation HPE Storage Fibre Channel Switch C-Series SN6010C by providing optional redundancy on all major components such as power supplies and fans.
Form factor	1U
Upgradability	8-port upgrade license
Software (required)	NX-OS 8.2(1). DCNM support 10.4(1) onwards, NX-OS 9.2(2) is required for the Advantage and Premier licenses
Ports	32 32Gb FC ports with 24 populated
Software (optional)	Port upgrade license, Enterprise Package license, Cisco Data Center Network Manager (DCNM) license, SAN Insights (1/3/5 years), Advantage license (1/3/5 years), and Premier license (1/3/5 years)
Product dimensions (imperial)	1.72 x 17.3 x 20.11 in
Weight	9.1 kg with 16 activated ports 9.82 kg with 32 activated ports

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.

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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.

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