

HPE SN6620C 32Gb 24-port 32Gb SFP+ Fibre Channel Switch (R0P13A)

C-series Switches



What's new

- New subscription-based Advantage and Premier license bundles with Cisco DCNM, Enterprise and SAN Analytics

Overview

Are you looking for a high-speed Fibre Channel connectivity for All-Flash arrays?

HPE C-series SN6620C Fibre Channel Switch delivers 32 Gbps FC switching providing high-speed FC connectivity from the server rack to the SAN core. It empowers small, midsize, and large enterprises that are rapidly deploying cloud-scale applications providing the benefits of greater bandwidth, scale, and consolidation. The switch allows seamless transition to Fibre Channel Non-Volatile Memory Express (FC-NVMe) workloads whenever available without any hardware upgrade in the SAN. For flexibility, the HPE C-series SN6620C Fibre Channel Switch scales from 24-48 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-speed Fibre Channel Connectivity for All-Flash Arrays

HPE C-series SN6620C Fibre Channel Switch provides consistent 32 Gbps low-latency performance across every FC port on the switch.

Delivers increased performance with an aggregate bandwidth of 1536 Gbps for growing and dynamic workloads.

Supports the performance and scale required to deploy a dedicated and standalone FC SAN connecting both initiators and targets without requiring any other switching infrastructure.

Powered by the same high-performance 32 Gbps ASIC that powers the HPE C-series SN8500C 32 Gbps Fibre Channel Director portfolio.

FC-NVMe-ready SAN switch with enhanced buffer-to-buffer (B2B) credits connecting both storage and host ports and FC link encryption.

More Flexibility

HPE C-series SN6620C Fibre Channel switch provides an option to deploy as few as 24 32 Gbps FC ports in the entry-level variant, which can grow in increments of 8 ports to 48 ports.

Allow users to deploy them with 32 Gb, 16 Gb, or 8 Gb optics to accommodate their budget while being fully prepared for tomorrow.

Increased fabric scalability provides more flexibility for a variety of SAN architectures.

Easy Manageability

HPE C-series SN6620C Fibre Channel Switch supports enhanced diagnostic features such as inter-switch link (ISL) and host-bus-adapter (HBA) diagnostics, read diagnostic parameter, link cable beacon, and advanced reliability features such as forward error correction (FEC) with HBA ports.

Cisco® Data Center Network Manager (Essentials Edition) software, included with the switch, provides a centralized management tool with task-based wizards that simplifies management of switches and fabrics. 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.

Intelligent Network Services for SAN

HPE C-series SN6620C Fibre Channel Switch supports slow-drain detection and isolation, VSAN technology, access control lists for hardware-based intelligent frame processing, smart zoning, and other various services.

Provides visibility into all virtual machines that are accessing the storage LUNs in the fabric and provide an end-to-end view for analytics.

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



Technical specifications

HPE SN6620C 32Gb 24-port 32Gb SFP+ Fibre Channel Switch

Product Number	ROP13A
Port speed	32 Gbps Fibre Channel
Aggregate switch bandwidth	1536 Gbps, maximum, depending on model
Encryption capability	AES 128-bit
Protocol supported	Fibre Channel
Availability features	Delivers the same outstanding availability and reliability as previous generation HPE SN6010C Fibre Channel Switches 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: 8.3(1) or later DCNM version: 11.0(1) or later; NX-OS 9.2(2) is required for Advantage and Premier licenses
Software (optional)	Port upgrade license, Enterprise Package license, Cisco Data Center Network Manager (DCNM) license, SAN Insights (1/3/5 yrs), Advantage license (1/3/5 yrs), Premier license (1/3/5 yrs)
Product Dimensions (metric)	4.37 x 43.9 x 56.6 cm
Weight	8.11kg
Model availability	48-port base switch with 24 active ports, 48-port switch 24 active ports with 24 32Gb SFP+, 48-port switch 48 active ports with 48 32Gb SFP+
Warranty	The hardware warranty covers firmware and embedded non-saleable software. For extended hardware installation and maintenance information, go to: https://ssc.hpe.com/portal/site/ssc/
Management software	HPE SN6000C Data Center Network Manager License (Optional)
Media types	Physical hardware and e-delivery license
Ports	24-48 ports



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

HPE Pointnext Services

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

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 Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- GreenLake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

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.

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 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.

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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.

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[PSN1011181795SAEN](#), March, 2023.


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