

# HPE C-series SN6610C Fibre Channel Switch

C-series Switches



---

## 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 C-series SN6610C Fibre Channel Switch 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 C-series SN6610C Fibre Channel Switch 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 C-series SN6610C 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 1024 Gbps for growing and dynamic workloads.

Delivers the same outstanding availability and reliability as previous generation HPE C-series SN6010C Fibre Channel 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 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 C-series SN6610C Fibre Channel Switch 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 C-series SN6610C 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.

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 C-series SN6610C Fibre Channel Switch 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 C-series SN6610C Fibre Channel Switch**

<b>Port speed</b>	32 Gbps Fibre Channel
<b>Aggregate switch bandwidth</b>	1024 Gbps, maximum, depending on model
<b>Encryption capability</b>	AES 128-bit
<b>Protocol supported</b>	Fibre Channel
<b>Availability features</b>	Delivers the same outstanding availability and reliability as previous generation HPE C-series SN6010C Fibre Channel Switches by providing optional redundancy on all major components such as power supplies and fans.
<b>Form factor</b>	1U
<b>Upgradability</b>	8-port upgrade license
<b>Software (required)</b>	NX-OS 8.2(1). DCNM support 10.4(1) onwards, NX-OS 9.2(2) is required for the Advantage and Premier licenses
<b>Software (optional)</b>	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)
<b>Product Dimensions (imperial)</b>	1.72 x 17.3 x 20.11 in
<b>Weight</b>	9.1 kg with 16 activated ports 9.82 kg with 32 activated ports
<b>Warranty</b>	The hardware warranty covers firmware and embedded non-saleable software. For extended hardware installation and maintenance information, click the link below: <a href="https://www.hpe.com/psnow/doc/a00108652enw?jumpid=in_lit-psnow-red">https://www.hpe.com/psnow/doc/a00108652enw?jumpid=in_lit-psnow-red</a>



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.

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

Explore **HPE GreenLake**



Make the right purchase decision.  
Contact our presales specialists.



Chat now (sales)



Share now



Get updates



**Hewlett Packard  
Enterprise**

© Copyright 2023 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.

Cisco® is a trademark of Cisco Systems, Inc. and/or its affiliates in the U.S. and certain other countries.

Image may differ from the actual product  
[PSN1010868980SIEN](#), March, 2023.