



HPE StoreFabric SN6610C 32Gb 8-port 16Gb Short Wave SFP+ Fibre Channel Switch (Q9D34A)

Storage Networking



Overview

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

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

Includes 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 StoreFabric 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.

Technical specifications

HPE StoreFabric SN6610C 32Gb 8-port 16Gb Short Wave SFP+ Fibre Channel Switch

Product Number (SKU)	Q9D34A
Port speed	32 Gbps Fibre Channel
Aggregate switch bandwidth	1024 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 StoreFabric 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 8.2(1). DCNM support 10.4(1) onwards
Software (optional)	HPE SN6000C Enterprise Package License, HPE SN6000C Data Center Network Manager License, HPE SN6610C 8-port Upgrade License
Minimum dimensions (H x W x D)	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 Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

