



**Hewlett Packard**  
Enterprise

# HPE SN6610C 32GB 24- PORT 16GB SHORT WAVE SFP+ FIBRE CHANNEL ENTERPRISE SWITCH (Q9D36A)

## C-series Switches



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### WHAT'S NEW

- HPE C-series SAN Insights software licenses (1/3/5 yrs) that enables you to monitor, analyze, identify, and troubleshoot performance issues of the SAN fabrics.
- New DCNM switch-based SAN Management software license.

### 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**

The 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.

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 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.

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 24-port 16Gb Short Wave SFP+ Fibre Channel Enterprise Switch

<b>Product Number (SKU)</b>	Q9D36A
<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
<b>Software (optional)</b>	HPE SN6000C Enterprise Package License, HPE SN6000C Data Center Network Manager License, HPE SN6610C 8-port Upgrade License
<b>Product dimensions (H x W x D)</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



For additional technical information, available models and options, please reference the [QuickSpecs](#)

## HPE POINTNEXT

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- [HPE Proactive Care](#) offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- [HPE Foundation Care](#) helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more.](#)

### Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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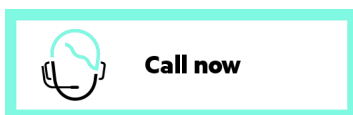
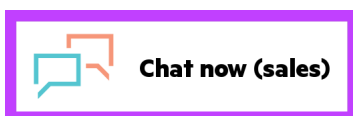
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[PSN1010879316UKEN](#), December, 2020.