

HPE SN6620C 32Gb 48/24 Fibre Channel Switch (R0P12A)



What's new

- New subscription-based Advantage and Premier license bundles with Cisco DCNM / Cisco Nexus Dashboard Fabric Controller (NDFC), Enterprise and SAN Analytics

Overview

Are you looking for a high-speed Fibre Channel connectivity for NVMe/All-Flash arrays? HPE Storage Fibre Channel Switch C-series SN6620C delivers 32Gbps 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 Storage Fibre Channel Switch C-series SN6620C 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 32Gbps performance in the future.

Features

High-speed Fibre Channel Connectivity for NVMe/All-Flash Arrays

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

Delivers increased performance with an aggregate bandwidth of 1536Gbps 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 32Gbps ASIC that powers the HPE Storage Director Switch C-series SN8500C 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 Storage Fibre Channel Switch C-series SN6620C 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 32Gb, 16Gb, or 8Gb 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 Storage Fibre Channel Switch C-series SN6620C 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 from release 12.0.1a, 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 Storage Fibre Channel Switch C-series SN6620C 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 48/24 Fibre Channel Switch**

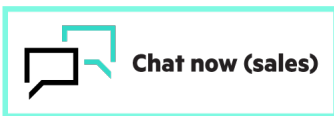
Product Number	ROP12A
Port speed	32Gb
Aggregate switch bandwidth	1536 Gbps, maximum
Encryption capability	SNMP V3 implementing AES, Cisco TrustSec payload encryption
Protocol supported	Fibre Channel
Availability features	Non-disruptive software upgrades, hot-swappable and dual redundant power supplies, hot-swappable fan module, hot-swappable SFP+ optics, stateful process restart
Form factor	1U
Upgradability	Activate additional ports using 8-port upgrade license
Media types	Supports 32Gb, 16Gb, and 8Gb Transceivers
Ports	24-port active
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	4.37 x 43.9 x 56.6 cm
Weight	8.5 kg



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

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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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