HPE SN6620C 32Gb 48/48 32Gb Short Wave SFP+ Fibre Channel v2 Switch (R0P14B)



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 Storage Fibre Channel Switch C-series SN6620C 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 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 32 Gbps performance in the future.

Features

High-speed Fibre Channel Connectivity for All-Flash Arrays

HPE Storage Fibre Channel Switch C-series SN6620C 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 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 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 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 48/48 32Gb Short Wave SFP+ Fibre Channel v2 Switch

Product Number	R0P14B
Port speed	32 Gbps Fibre Channel
Aggregate switch bandwidth	1536 Gbps, maximum, depending on model
Encryption capability	AES 128-bit
Protocol supported	Fibre Channel
Management software	HPE SN6000C Data Center Network Manager License (Optional)
Availability features	Delivers the same outstanding availability and reliability as previous generation HPE Storage Fibre Channel Switch C-series SN6010C by providing optional redundancy on all major components such as power supplies and fans.
Form factor	1U
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+
Upgradability	8-port upgrade license
Media types	Physical hardware and e-delivery 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
Ports	24-48 ports
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	1.72 x 17.3 x 22.3 in
Weight	8.5 kg

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

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading 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, 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**

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