HPE Storage Fibre Channel Switch C-Series SN6730C

HPE Storage 64Gb 96/48 64Gb Short Wave SFP+ Fibre Channel Premier Switch C-series SN6730C (S2S00A)

What's new

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

Overview

Are you looking for a high-performance, low latency, Fibre Channel (FC) switch for the modern SAN? HPE Storage Fibre Channel Switch C-Series SN6730C is a 96 port switch that delivers 32 Gb and 64 Gb high-speed Fibre Channel connectivity from the server rack/storage rack as an edge or core switch. It empowers small, midsize, and large enterprises to rapidly deploy cloud-scale applications using extremely dense virtualized servers, providing greater bandwidth and consolidation benefits. The switch offers state-of-the-art analytics and telemetry capability built into its ASIC platform. For increased flexibility, the HPE Storage Fibre Channel Switch C-Series SN6730C is available half-populated or fully populated with either 32 Gb or 64 Gb transceivers or empty switch with 48 active ports with incremental 16 port licenses up to 96 ports.

Features

High Performance for All-flash Arrays, Virtualized, and NVMe Workloads

HPE Storage Fibre Channel Switch C-Series SN6730C provides consistent 32 or 64 Gbps low-latency, line-rate performance across every FC port on the switch.

Delivers increased performance with an aggregate bandwidth of 6 Tbps end-to-end full duplex for growing and dynamic workloads in a 2RU form factor.

Delivers the same outstanding availability and reliability as the previous generation 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 host bus adapters (HBAs) capable of priority tagging the virtual machine identifier (VMID) on every FC frame.

Investment Protection

Available with 32 Gb FC SFP+, 64 Gb FC SFP+ optics or non-populated to accommodate your budget.

Intelligent Network Services for Modern SAN

HPE Storage Fibre Channel Switch C-Series SN6730C supports slow-drain detection and isolation, VSAN technology, access control lists for hardware-based intelligent frame processing, smart zoning, and other services.

The VSAN technology provides a cost-effective way to consolidate resources while providing high resiliency to potential fabric disruptions.

Provides powerful NX-API capabilities to enable flexible and rapid programming of utilities for the SAN.

Easy Manageability

Provides intelligent diagnostics tools such as Inter-Switch Link (ISL) and HBA diagnostics, remote SFP (read diagnostic parameter) diagnostics, remote port beaconing, and link-level forward error correction (FEC) for 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 Nexus Dashboard Fabric Controller (NDFC) [1] software provides a centralized management tool with task-based wizards. These features are available with the HPE Storage Fibre Channel Switch C-Series SN6730C Advantage and Premier licenses.

HPE C-series SAN analytics delivers deep visibility into I/O traffic between the compute and the storage infrastructure. These features are available with the HPE Storage Fibre Channel Switch C-Series SN6730C Premier license.

Technical specifications

HPE Storage 64Gb 96/48 64Gb Short Wave SFP+ Fibre Channel Premier Switch C-series SN6730C

Product Number	S2S00A
Port speed	64 Gb
Aggregate switch bandwidth	6 Tbps maximum
Encryption capability	SNMP V3 implementing AES, hardware-assisted FC link encryption, FC-SP ESP payload encryption, Cisco TrustSec payload encryption
Protocol supported	Fibre Channel
Management software	3-year Premier license included
Availability features	Non-disruptive software upgrades, hot-swappable and dual redundant power supplies, hot-swappable fan trays, hot-swappable SFP+ optics, stateful process restart
Form factor	2U
Upgradability	Activate additional ports using 16 port upgrade license
Media types	Supports 64 Gb, 32 Gb, and 16 Gb transceivers
Ports	48-port active with 48 64Gb SW transceivers
Software (optional)	Port upgrade license, Advantage license (1/3/5 yrs), Premier license (1/3/5 yrs)

[1] Starting from release 12.0.1a, Cisco Data Center Network Manager (DCNM) is renamed Cisco Nexus Dashboard Fabric Controller (NDFC).

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

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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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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.

Image may differ from the actual product
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