

HPE Storage Multiservice Switch C-series SN6640C

HPE SN6640C 32Gb 6-port FC/FCIP Multiservice Switch (R8M66A)



What's new

- New subscription-based Advantage license bundles with Cisco NDFC/DCNM and Enterprise package.

Overview

Are you looking for modern multiservice switch that supports multiple protocols?

The HPE Storage Multiservice Switch C-series SN6640C is a flexible switch for deploying SAN extension solutions, distributed intelligent fabric services, and cost-effective multiprotocol connectivity for open systems. It offers advanced capabilities available only to director class switches. With a compact form factor and advanced capabilities, the HPE Storage Multiservice Switch C-series SN6640C is an ideal solution for departmental and remote branch-office SANs as well as in large-scale SANs in conjunction with HPE Storage C-series SN8700C multilayer directors. The HPE Storage Multiservice Switch C-series SN6640C offers up to twelve 32 Gbps Fibre Channel ports, four 1/10, two 25 or one 40 Gigabit Ethernet IP storage services ports, in a fixed One-Rack-Unit (1RU) form factor. It connects to existing native Fibre Channel networks, protecting current investments in storage networks.

Features

High Density SAN Consolidation with Integrated Multiprotocol Support

The HPE Storage Multiservice Switch C-series SN6640C is available in a base configuration of four ports of 32 Gbps Fibre Channel for high-performance SAN connectivity and two ports of 1/10 Gigabit Ethernet for FCIP storage services, running at a maximum speed of 1 Gbps.

It can be upgraded to enable an additional eight ports of 32 Gbps Fibre Channel by adding the on-demand upgrade license. The upgrade license also enables 10 Gigabit speed on the initial two Ethernet ports, two additional 1/10 Gigabit ports, two 25 Gigabit ports, and one 40 Gigabit port.

It provides flexible connectivity options toward datacenter switches, routers or DWDM systems. Both the 25 G and 40 G options can be very valuable for data with a lower level of compressibility, while the 1 G and 10 G options can meet the needs of small-medium organizations.

Remote SAN Extension with High-Performance FCIP

The HPE Storage Multiservice Switch C-series SN6640C provides FCIP support for business continuity and disaster recovery as a standalone device and a FCIP SAN extension switch for HPE Storage Director Switch C-series SN8700C.

This switch breaks the distance barriers of current Fibre Channel solutions with support for FCIP, enabling interconnection of SAN islands over extended distances.

You will get dramatically enhanced hardware-based FCIP compression performance for both high-bandwidth and low-bandwidth links, which provides immediate cost saving for expensive WAN infrastructure. Used with other hardware-based encryption, it provides high-performance SAN extension capabilities.

The switch supports hardware-based IPsec encryption for improved transmission security of sensitive data over extended distances. Hardware enablement of IPsec helps to provide high throughput.

Comprehensive Robust Network Security and Customization

The HPE Storage Multiservice Switch C-series SN6640C supports hardware-based data compression and tape acceleration to enhance remote backup operations and allows more data to be transferred over WAN connections more cost effectively. Shift your budget from operations to innovation.

The switch supports a variety of security features to facilitate protection of your customer data. A variety of security techniques are supported such as encryption, switch authentication, data integrity, hardware-enforced zoning, and more across multiprotocol connectivity.

The switch offers a highly available solution that protects data from unauthorized access and keeps data private while meeting regulatory compliance and avoiding financial consequences of a security breach.

Technical specifications	HPE SN6640C 32Gb 6-port FC/FCIP Multiservice Switch
Product Number	R8M66A
Port speed	32Gb FC, 1GbE Ethernet
Aggregate switch bandwidth	384 Gbps FC, maximum
Encryption capability	SNMP V3 implementing AES, hardware-based IPsec encryption, hardware-assisted data encryption for FCIP, FC-SP ESP payload encryption
Protocol supported	Fibre Channel, FCIP
Management software	SMI-S compliant Command Line Interface (CLI) Cisco DCNM/NDFC web services API
Availability features	Non-disruptive software upgrades, hot-swappable and 1+1 redundant power supplies, hot-swappable fan module, hot-swappable SFP+ optics, stateful process restart
Form factor	1U
Upgradability	Activate additional 8 FC ports and 4 FCIP ports using upgrade license
Media types	Supports 32Gb, 16Gb, and 8Gb FC 1GbE and 10GbE Ethernet transceivers
Ports	4 32Gb Fibre Channel active ports, 2 1/10GbE Ethernet active ports without transceivers
Software (optional)	Port upgrade license, Enterprise Package license, Cisco Data Center Network Manager (DCNM) license, Advantage license (1, 3, 5 years)
Product dimensions (metric)	43.94 x 51.1 x 4.27 cm

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.

Advisory & Professional 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.

Support 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.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

[GreenLake](#) is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

- Streamline IT Operations across compute, storage, and networking without the chaos
- Unify and secure data, as you move faster
- Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

[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.

Image may differ from the actual product.

[PSN1014132802WWEN](#), May, 2026.

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