



Hewlett Packard
Enterprise

HPE SN6630C 32GB 96- PORT/48-PORT FIBRE CHANNEL SWITCH (R4D90A)

C-series Switches



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.

OVERVIEW

Are you looking to modernize your storage network?

The all-flash data center and emerging NVMe storage requires a modern storage network that can keep up with pace of innovation seen with compute and storage resources. The HPE C-series SN6630C 96-port 32Gb Fibre Channel (FC) Switch is the next generation 96-port 2-rack unit FC switch that provides high-speed Fibre Channel connectivity in the SAN.

This switch offers state-of-art analytics and telemetry capability built into its next-generation Application-Specific Integrated Circuit (ASIC) platform. The Non-Volatile Memory express (NVMe)-ready switch allows a seamless transition to Fibre Channel Non-Volatile Memory Express (FC-NVMe) workloads whenever available without any hardware upgrade in the SAN. This high-density, highly reliable, and scalable, enterprise-class switch is ideal for medium to large departmental SANs.

FEATURES

High-speed Flash-ready Performance

HPE C-series SN6630C Fibre Channel Switch with centralized non-blocking arbitration, provides consistent 32 Gbps low-latency performance across traffic conditions for every Fibre Channel port on the switch.

Delivers increased performance with an aggregate bandwidth of 3 Tbps for growing and dynamic workloads.

It offers state-of-the-art SAN Insights (analytics) and telemetry capabilities that have been built into this next-generation hardware platform.

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 C-series SN6630C Fibre Channel Switch provides an option to deploy as few as 48 32-Gbps FC ports in the entry-level variant, and then grow in increments of 16 ports to up to 96 ports. This allows four possible configurations of 48, 64, 80, and 96 ports.

The 32 Gbps ports allow users to deploy them on existing 16 or 8 Gbps transceivers, reducing initial CapEx and investment protection with an option to upgrade to 32 Gbps transceivers and adapters whenever needed.

Increased fabric scalability provides more flexibility for a variety of SAN architectures.

Easy Manageability

HPE C-series SN6630C Fibre Channel Switch supports enhanced diagnostic features such as inter-switch link (ISL) and host-bus-adapter (HBA) diagnostics, read diagnostic parameters, 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.

Cisco SAN Insights 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 C-series SN6630C Fibre Channel Switch supports slow-drain detection and isolation, virtual SAN (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 offers 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 SN6630C 32Gb 96-port/48-port Fibre Channel Switch

Product Number (SKU)	R4D90A
Port speed	32Gb Fibre Channel
Aggregate switch bandwidth	3 Tbps
Encryption capability	AES 256 bit
Protocol supported	Fibre Channel
Availability features	Hot-swappable, NVMe Ready, N-Port ID Virtualization (NPV), Access Control List (ACL), and Quality of Service (QoS).
Form factor	2U
Software (required)	NX-OS 8.3(1) or later
Software (optional)	DCNM 11(0) or later
Minimum dimensions (H x W x D)	8.61 x 44.25 x 56.59 cm
Weight	18.88 kg



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

HPE POINTNEXT

Access expertise at every step of your IT journey with [HPE Pointnext Services](#). [Advisory Services](#) focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our [Professional](#) and [Operational Services](#) help speed up time-to-production and keep your IT stable and reliable.

Operational Services from HPE Pointnext Services

- [HPE Datacenter Care](#) helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- [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.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

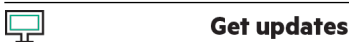
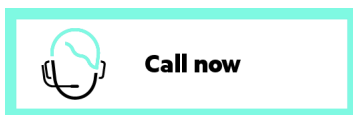
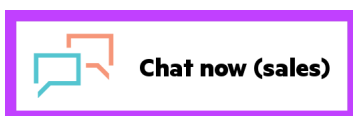
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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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