

HPE SN6010C 48-PORT 16GB FIBRE CHANNEL SWITCH (K2Q17A)

C-series Switches



WHAT'S NEW

- New DCNM switch-based license
- Newly bundled offering with 16 Gb SFPs

OVERVIEW

Are you looking for a high-performance Fibre Channel switch for departments, enterprises, or the edge?

The HPE C-series SN6010C Fibre Channel Switch is a high-performance, flexible, and cost-effective platform providing high-density, 16 Gbps ports for storage networking deployments in small, medium-sized, and large enterprise environments. This switch offers outstanding value by providing high-availability, security, and ease of use at a cost-effective price in a compact one-rack-unit (1RU) form factor.

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With the flexibility to expand from 12 to 48 ports in 12-port increments, it offers the densities required to scale from an entry-level departmental switch to top-of-the-rack switch to edge connectivity in enterprise SANs. This switch delivers a non-blocking architecture, with all 48 4/8/16 Gbps ports operating at line rate concurrently. With dual redundant hot-swappable power supplies and fan trays, this switch offers high availability scalable to mission-critical deployments.

FEATURES

High Performance with Exceptional Flexibility

HPE C-series SN6010C Fibre Channel Switch includes 16 Gbps of dedicated bandwidth for each port and aggregate platform bandwidth of 768 Gbps, the HPE C-series SN6010C Fibre Channel Switch is designed to meet the performance and scalability requirements of the most demanding environments.

Compatible with HPE SN8000C (MDS 9500 Series) and HPE SN8500C (MDS 9700 Series) Multilayer Directors and MDS 9100 and 9200 Series Fabric Switches with up to 48 autosensing Fibre Channel ports capable of speeds of 16, 8, and 4 Gbps.

Offers flexibility to "pay as you grow" by scaling the HPE C-series SN6010C Fibre Channel Switch onsite by enabling additional ports by adding on-demand port activation licenses.

Intelligent Storage Networking Services at a Cost-effective Price

HPE C-series SN6010C Fibre Channel Switch supports innovative features such as virtual storage area network (VSANs), port channels, quality of service (QoS), SAN security, SAN management, hardware-enforced zoning, and in-service software upgrade (ISSU) at no additional cost to the user.

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

Provides advanced traffic management capabilities integrated into the HPE C-series SN6010C Fibre Channel Switch to simplify deployment and optimization of core-edge fabrics.

NPIV and NPV technology provides independent management for each virtual machine and scaling of SANs without reaching Fibre Channel domain ID limits.

High Availability Platform

HPE C-series SN6010C Fibre Channel Switch is designed for mission-critical environments in which downtime is unacceptable.

Offers non-disruptive software upgrades, dual hot-swappable power supplies (integrated fans for redundancy), hot-swappable fans, VSANs for fault isolation, port channels for ISL resiliency, and F-port trunking for resiliency on uplinks operating in NPV mode.

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Simplified Management

HPE C-series SN6010C Fibre Channel Switch supports SAN plug-and-play capability as well as built-in storage network management, with all features available through a command-line interface (CLI) or the Data Center Network Manager for simplified storage management.

Data Center Network Manager software (included with switch) provides a centralized management tool with task-based wizards that simplifies management of a standalone switch or multiple switches and fabrics at no additional cost.

Common platform architecture and the use of MDS 9000 NX-OS Software intelligent storage networking services across all MDS 9000 Family switches reduce ongoing operating expenses by providing a consistent set of provisioning, management, and diagnostic capabilities.

Technical specifications

HPE SN6010C 48-port 16Gb Fibre Channel Switch

Product Number (SKU)	K2Q17A
Port speed	16 Gbps Fibre Channel
Aggregate switch bandwidth	768 Gb/s, 48-ports enabled
Encryption capability	AES 256-bit
Protocol supported	Fibre Channel
Availability features	Non-disruptive software upgrades, dual hot-swappable power supplies (with integrated fans for redundancy), and hot-swappable fans
Form factor	1U
Upgradability	12-port upgrade license
Software (required)	NX-OS 6.2(9) or later
Software (optional)	HPE SN6010C Enterprise Package License HPE SN6000C Data Center Network Manager License HPE SN6010C 12-port Upgrade License
Product Dimensions (metric)	4.37 x 43.59 x 41.50 cm
Weight	9 kg

HPE POINTNEXT SERVICES

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

Operational Services from HPE Pointnext Services

<u>HPE Pointnext Tech Care</u> provides fast access to product-specific experts, an Al-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

- 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.

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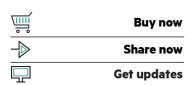
Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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

Make the right purchase decision. Contact our presales specialists.

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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 PSN7400251CZEN, July, 2021.