Hewlett Packard Enterprise

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

C-series Switches

WHAT'S NEW

- New subscription-based Advantage bundle with Cisco DCNM and Enterprise 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.

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. It 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, enabling additional ports, and 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.

N_Port ID Virtualization(NPIV) and N-Port Virtualization (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.

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 Cisco Data Center Network Manager for simplified storage management.

Data Center Network Manager software provides a centralized management tool with task-based wizards that simplifies management of a standalone switch or multiple switches and fabrics. Starting NX-OS 9.2(1), Cisco DCNM is renamed as Cisco Nexus Dashboard Fabric Controller (NDFC).

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	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, HPE Advantage License
Product Dimensions (metric)	4.37 x 43.59 x 41.50 cm
Weight	9 kg

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Operational Services from HPE Pointnext Services

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- Integrate and migrate
- Operate and improve

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- Retire and sanitize
- IT Training and personal development

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