Hewlett Packard Enterprise

HPE StoreFabric SN6600B 32Gb 48/48 Power Pack+ Fibre Channel Switch (Q0U57B)

Storage Networking

What's new

- SKU roll-over from A (-suffix) to B to accommodate change in warranty
- 32 Gb short-wave QSFP with break-out capability added

Overview

Are you struggling to meet the I/O demands of hyper-scale virtualization, large cloud infrastructures, and growing, flash-based storage environments? The HPE StoreFabric SN6600B Fibre Channel Switch is a high-performance, ultra-dense, highly scalable, easy-to-use, enterprise-class storage networking switch delivering Gen6 Fibre Channel (FC) capabilities. It is designed to support data growth, demanding workloads, and data center consolidation in small- to large-scale enterprise

infrastructures. Delivering 32 Gb to 128 Gb performance, industry-leading port density, and integrated network sensors, it accelerates data access, adapts to evolving requirements, and drives always-on businesses. It can scale from 24 to 64 ports with 48 SFP+ and 4 QSFP+ ports, all in an efficient 1U package. In addition, a simplified deployment process and a point-and-click user interface make the HPE StoreFabric SN6600B Fibre Channel Switch easy to use.

Features

Increase Performance for Application and Solid State Storage Architectures

The HPE StoreFabric SN6600B Fibre Channel Switch delivers increased performance through a combination of improved throughput and low latency across 32 Gb and 128 Gb links in hyper-scale virtualization, large cloud infrastructures, and growing flash-based storage environments.

The onboard ASIC provides up to 566 million frames switched per second and up to 100 million IOPS to meet the demands of flash-based storage workloads.[1]

Port-to-port latency is reduced to 700 nanoseconds through the use of cut-through switching at 32 Gb.[1]

With 48 SFP+ ports and 4 QSFP ports, each providing four 32 Gb connections, it can scale up to 64 device ports for an aggregate throughput of 2 Tb.

Ultra-dense and Highly Scalable

The HPE StoreFabric SN6600B Fibre Channel Switch scales up to 64 Fibre Channel ports in an efficiently designed 1U form factor, delivering increased port density and space utilization for simplified scalability.

Each of the 48 SFP+ ports supports 4, 8, 10, 16, and 32 Gb FC speeds, while each of the 4 QSFP ports is capable of supporting 128 Gb.

Provides flexibility to utilize high-speed 32 Gb as well as 16 Gb optics on demand to meet growing data center needs and provide backward compatibility to older infrastructures.

Simplified Management with Deep Analytical Insights

HPE StoreFabric SN6600B Fibre Channel Switch combines HPE Power Pack+ software that helps simplify monitoring, improve operational stability, and dramatically reduce costs.

Proactively and non-intrusively monitor storage device IO providing deep insight into problems and improved service level agreements (SLA).

Gain comprehensive visibility into the fabric using browser-accessible dashboards with drill-down capabilities.

Building Block for Virtualized, Private Cloud Storage

The HPE StoreFabric SN6600B Fibre Channel Switch supports multitenancy in cloud environments reducing the number of switches required.

Provides efficient link utilization with up to 64 Gb of in-flight data compression over inter-switch links (ISLs).

Internal fault-tolerant and enterprise-class reliability, availability, and serviceability (RAS) features help reduce downtime to support mission-critical cloud environments.

Technical specifications

HPE StoreFabric SN6600B 32Gb 48/48 Power Pack+ Fibre Channel Switch

Product Number (SKU)	Q0U57B
Port speed	32 Gbps Fibre Channel
Number of ports	(24 - 64) Fibre Channel Active Ports vary by model
Aggregate switch bandwidth	2 Tbps
Encryption capability	In-flight encryption
Protocol supported	Fibre Channel
Availability features	Hot code load, ports on demand with no downtime
Form factor	1U
Management features	B-series SAN Network Advisor Integration with Storage Essentials
BladeSystem supported	No
Upgradability	Varies by model
Models available	24-port Active Switch, 24-port Active Power Pack+ Switch, 24-port Active switch bundled with 24 32G SFP+, 24-port Active Power Pack+ Switch bundled with 24 32G SFP+, 48-port Active Switch, 48-port Active Switch Power Pack+, 48-port Active Switch bundled with 48 32G SFP+, 48-port Active Power Pack+ Switch bundled with 48 32G SFP+
Media type technology	B-series 32 Gb SFP+, 16 Gb SFP+
Software (optional)	HPE Power Pack+ software, 12-Port Upgrade, Integrated Routing, ISL Trunking, SAN Network Advisor Professional+ or Enterprise
Minimum dimensions (H x W x D)	4.39 x 44 x 35.56 cm
Weight	7.73 kg with two power supply FRUs, without transceivers

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.

- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

[1] source: https://www.broadcom.com/products/fibre-channel-networking/switches/g620-switch

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