



HPE SN3000B FIBRE CHANNEL SWITCH

Storage Networking



OVERVIEW

To remain competitive, IT organizations must keep pace with ever-increasing workloads without a similar increase in their budgets or resources. While virtualization has provided some relief by enabling the benefits of faster deployment and consolidation, it tends to put additional stress on data center networks.

The HPE SN3000B 16Gb Fibre Channel Switch meets the needs of hyper-scale, private cloud storage environments by delivering market-leading 16Gb Fibre Channel technology and capabilities that support highly virtualized environments. Designed to enable maximum flexibility and investment

protection, the SN3000B switch scales from 12 to 24 ports and supports 4, 8, or 16 Gb/s speeds in an efficiently designed 1U package. It also provides a simplified deployment process and a point-and-click user interface making it powerful and easy to use. It offers low-cost access to SAN technology while providing "pay-as-you-grow" scalability to meet the needs of an evolving storage environment.

FEATURES

Flexible Fabrics

High speed 16Gb optimized inter switch links (ISLs) provide twice the performance as previous generation Fibre Channel switches. The net result is there are fewer links, fewer cables, fewer ports and less power for the same performance.

High Performing

Operating speeds of 16, 8, and 4 Gb/s offer a wide range of performance for flexibility in connectivity options and investment protection.

Operational Simplicity

Diagnostic Ports (D_Ports) are a new port type that enable administrators to identify and isolate optics and cable problems, reducing fabric deployment and diagnostic times. Organizations also can use D_Ports to run a variety of tests for ports, SFPs, and cables for faults, latency, and distance.

SAN Network Advisor, offered as an option, provides comprehensive management of data center SAN fabrics, including configuration, monitoring, diagnostics, best-practices validation, and management of B-series Directors, Switches, and Host Bus Adapters (HBAs).

Cloud Optimized Performance

Provides aggregate 768Gb full-duplex throughput and any eight ports can be trunked for 128Gb Inter-Switch Links (ISLs). Exchange-based Dynamic Path Selection (DPS) optimizes fabric-wide performance and load balancing by automatically routing data to the most efficient available path.



Technical specifications**HPE SN3000B Fibre Channel Switch**

Port speed	16 Gb/s Fibre Channel
Aggregate switch bandwidth	768 Gb/s Maximum
Encryption capability	No
Protocol supported	Fibre Channel
Availability features	Hot code load Ports on demand with no downtime optional hot-swappable redundant power supply
Form factor	1U
Upgradability	Upgrade from Base to Power Pack+ from 12 port to 24 port single power supply to dual power supplies
Software (optional)	Power Pack+ Software 12-Port Upgrade SAN Network Advisor Professional+ or Enterprise



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

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[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 Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize 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.

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