HPE SN6500B 16GB 96/96 POWER PACK+ FC SWITCH (C8R42B)

B-series Switches

WHAT'S NEW

- New model with Unique Port Side Intake Air flow mechanism (SKU Number E7X98A): This model pulls cooling air in from the port side of the switch and exhausts it out the non-port side

OVERVIEW

Are you struggling to keep pace with ever-increasing workloads on a never-increasing budget? Virtualization delivers the benefits of faster deployment and consolidation, yet it demands greater performance and scalability from data center networks.

The HPE B-series SN6500B Fibre Channel Switch meets the needs of hyper-scale, private cloud storage environments by delivering market-leading 16 Gb FC technology and capabilities that support highly virtualized environments. Designed to enable increased flexibility and investment protection, the SN6500B switch scales from 48 to 96 ports and supports 4, 8, 10, or 16 Gb/s speeds in an efficiently designed 2U package. It also provides a simplified deployment process and features a user-friendly, point-and-click interface. The SN6500B 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 Support Highly Virtualized Environments for Cloud-Optimized Storage Area Networks

The HPE B-series SN6500B Fibre Channel Switch delivers high-speed 16 Gb optimized inter switch links (ISLs) for twice the performance over traditional Fibre Channel switches. The net result is there are fewer links, fewer cables, fewer ports and less power for the same performance.

Flexible speed options support 4, 8 or 16 Gb/s in an efficiently designed 2U package, protecting your existing SAN fabric investments.

Configurable with 48, 72, or 96 ports.

Designed for Ease-of-Use and Simplified Administration

The HPE B-series SN6500B Fibre Channel Switch provides diagnostic Ports (D_Ports) enabling IT to identify and isolate optics and cable problems, reducing fabric deployment and diagnostic times. Use D_Ports to run a variety of tests for ports, SFPs, and cables for faults, latency, and distance.

Simplified deployment process and point-and-click user interface streamlines management.

Optional SAN Network Advisor 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).

Improved Bandwidth and Greater Efficiency for Cloud-Optimized Performance

The HPE B-series SN6500B Fibre Channel Switch provides unmatched bandwidth with 96 non-blocking 16 Gb/s ports in an efficient 2U form factor. Any eight ports can be trunked for 128 Gb 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.

Provides frame-based trunking at rates up to 128 Gb/s for greater efficiency than Ethernet LAG.

Reduces power consumption at 0.33 watts/Gb/s.

Delivers low-cost access to industry-leading storage area networks (SAN).

Enhanced Scalability Allows for Expansion within Growing Organizations

The HPE B-series SN6500B Fibre Channel Switch enables unmatched, pay-as-you-grow scalability for evolving storage environments.

Greater return on investment (ROI) due to reduced cabling and optics requirements in comparison with 8Gb SAN Infrastructure.

Technical specifications   HPE SN6500B 16Gb 96/96 Power Pack+ FC Switch

Product Number (SKU)	C8R42B
Port speed	16 Gb/s Fibre Channel
Aggregate switch bandwidth	3072 Gb/s Maximum
Encryption capability	In flight encryption
Protocol supported	Fibre Channel
Availability features	Hot code load Ports on demand with no downtime
Form factor	2U
Upgradability	Varies by model
Software (optional)	Power Pack+ Software 12-Port Upgrade Integrated Routing ISL Trunking Fabric Watch Advanced Performance Monitoring SAN Network Advisor Professional+ or Enterprise

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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.

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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.
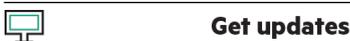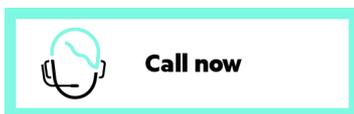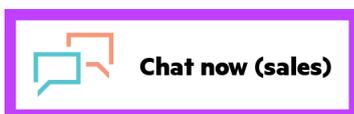
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