

HPE Storage SAN Extension Switch B-series SN4700B

HPE SN4700B 64Gb 16/16 16-port 64Gb Short Wave SFP56 SAN Extension Fibre Channel Switch (S1T69A)



What's new

- Optimizes replication traffic utilizing modern 25GbE/100GbE WAN connections.
- Consolidates high-speed Fibre Channel and IP storage replication workloads.
- Secures data flows over distance with strong AES 256-bit hardware encryption without a performance penalty.
- Provides load balancing and failover across multiple WAN connections, protecting against WAN link failures.
- Helps ensure consistent storage replication with non-disruptive firmware and security updates.
- Pre-validates the WAN infrastructure with a built-in WAN Test Tool (Wtool) to help ensure a worry-free deployment

Overview

Today's IT organizations are under pressure to keep pace with the growing avalanche of data traffic between data centers and the changes driven by virtualized application workloads. Faced with this challenge, coupled with rising service level agreement (SLA) requirements and recovery expectations, enterprise data centers need their disaster recovery infrastructure to ensure fast, continuous, and secure replication of mission-critical data anywhere in the world.

HPE Storage SAN Extension Switch B-series SN4700B addresses these challenges by providing a powerful, reliable, secure solution for disaster recovery of large complex environments. This cyber-resilient replication connectivity solution for enterprise storage securely moves more data, faster, over distance for continuous data protection.

HPE Storage B-series SN4700B delivers unprecedented performance, continuous availability, and simplified management to handle the unrelenting growth of data traffic between data centers.

and detects WAN anomalies to avoid unplanned downtime with proactive monitoring.

Features

High Performance

The HPE Storage SAN Extension Switch B-series SN4700B consolidates high-speed Fibre Channel and IP storage replication workloads moving more data faster and further with 64Gb Fibre Channel and 100GbE ports.

The HPE Storage SAN Extension Switch B-series SN4700B advanced performance and network optimization enable replication and backup applications to send more data over metro and WAN links in less time and to optimize available WAN bandwidth.

The HPE Storage SAN Extension Switch B-series SN4700B offers 24 64Gbps Fibre Channel ports, 16 1GbE/10GbE/23GbE ports, and 2 100GbE ports that provide the bandwidth, port density, and throughput required for maximum application performance over WAN links.

Greater Control and Insight Across Data Centers

Simplify network monitoring and alerting between data centers to automatically detect WAN anomalies and avoid unplanned downtime.

Pre-validate and troubleshoot the physical infrastructure to streamline deployment and avoid issues.

Delivers real-time information that organizations can act on to meet recovery point objective (RPO) and recovery time objective (RTO).

Monitor Fibre Channel and IP health and performance from a single dashboard.

Simplified Disaster Recovery and Data Protection

The HPE Storage SAN Extension Switch B-series SN4700B supports simple point-to-point or comprehensive multisite SAN extension for a variety of strategic IT initiatives.

The HPE Storage SAN Extension Switch B-series SN4700B centralizes backup to consolidate infrastructure and administrative resources.

The HPE Storage SAN Extension Switch B-series SN4700B includes built-in tools to validate conditions of the WAN links, network paths, and proper setup of FCIP configurations prior to deployment.

Integrated Architecture and Management

The HPE Storage SAN Extension Switch B-series SN4700B utilizes the same Fabric OS (FOS) that supports the entire B-series product family to help ensure interoperability.

The HPE Storage SAN Extension Switch B-series SN4700B leverages existing and familiar B-series management tools, including Fabric Vision, WebTools, and the command-line interface (CLI) to simplify deployment and administration.



Technical specifications

HPE SN4700B 64Gb 16/16 16-port 64Gb Short Wave SFP56 SAN Extension Fibre Channel Switch

Product Number	S1T69A
Port speed	64Gb FC and 1/10/25/100GbE Ethernet
Aggregate switch bandwidth	The HPE Storage SAN Extension Switch B-series SN4700B comes unlocked with full bandwidth and all ports enabled, leaving no limitations on throughput.
Encryption capability	AES-GCM-256 encryption on Fibre Channel ISLs (E_Port) AES-GCM-256 IPsec encryption (VE_Port)
Protocol supported	Fibre Channel, FCIP, and IP extension
Availability features	Hot code load hot-swappable redundant power supplies with integrated cooling fans
Form factor	1U
Upgradability	All ports active
Media types	Supports 64Gb (SFP+ and SFP-DD), 32Gb, 100GbE, 25GbE, 10GbE, transceivers
Ports	24 64Gb FC active ports ((8 SFP+ and 16 SFP-DD ports) with 16 64Gb SW transceivers, 16 1/10/25 GbE Ethernet active ports with 4 10/1GbE SR and 4 25/10GbE SR transceivers, and two 2 100GbE active ports with 2 100GbE QSFP transceivers for WAN/LAN connectivity
Software (optional)	SANnav WebTools Command-Line Interface (CLI)



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

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HPE runs your IT operations, giving you unified control, so you can focus on innovation.

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Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

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The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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