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Enterprise

HPE SN2600B 32GB 12/12 POWER PACK+ 12-PORT 16GB SHORT WAVE SFP+ SAN EXTENSION SWITCH (R6W21A)

B-series Switches



WHAT'S NEW

- Enhanced Replication Connectivity

OVERVIEW

The HPE B-series SN2600B SAN Extension Switch is a cost-efficient, replication connectivity solution that quickly transports data over long distances between data centers, protecting valuable information from disruptions and outages. This product enables you to extend proactive monitoring between data centers to automatically detect WAN anomalies and avoid unplanned downtime. By driving more throughput with advanced compression technology, you can expand WAN capacity to meet increased data demands.

With powerful built-in technology, the HPE B-series SN2600B SAN Extension Switch overcomes the inherent challenges of latency and packet loss over distance, and can dramatically speed up replication performance to handle the unrelenting transfer of data between data centers.

FEATURES

A Purpose-Built Extension Platform for Midrange Storage

The HPE B-series SN2600B SAN Extension Switch is a robust platform for medium-scale, multisite data center environments implementing block, file, and tape data protection solutions.

Build a high-performance infrastructure between data centers for multisite asynchronous and synchronous storage replication with centralized tape backup, recovery, and archiving solutions.

By using WAN-optimized TCP, disk and tape protocol acceleration, and data compression, you can increase replication and backup throughput over distance.

This platform is designed to offer both Fibre Channel over IP (FCIP) and IP extension technology and can handle simultaneous replication from Fibre Channel and IP storage arrays to consolidate replication workloads over WAN connections.

With twelve 32 Gb/s capable Fibre Channel ports and six 1/10-Gigabit Ethernet (GbE) ports, this switch provides the bandwidth and throughput required for greater application performance over WAN connections.

Cost-Effective, Scalable, and Flexible SAN Extension

With the HPE B-series SN2600B SAN Extension Switch, organizations can quickly and cost-effectively scale their WAN rate from 1 Gb/s to 2.5Gb/s by purchasing a full configuration with 2.5Gb/s WAN capacity, or pay as you grow with an on-demand upgrade license.

The HPE B-series SN2600B SAN Extension Switch base configuration provides four 32Gb/s-capable Fibre Channel ports and six 1/10GbE ports. Two of the Ethernet ports can be utilized as WAN ports with Adaptive Rate Limiting (ARL) and IPsec.

The on-demand upgrade license enables 8 additional Fibre Channel ports, includes 8-16Gb FC short wave optics, enables 4 additional 1/10GbE WAN ports and includes HPE Power Pack+ Software. The software features include: FC Trunking, Extension Trunking, Fabric Vision, FC Routing, Extended Fabrics.

With a compression ratio of 4 to 1, organizations can scale up to 10Gb/s replication throughput, depending on the type of data and the characteristics of the WAN connection.

Simplified Disaster Recovery and Data Protection

The HPE B-series SN2600B SAN Extension Switch supports simple point-to-point, comprehensive multisite SAN extension and remote offices, offering enterprise-class capabilities for a variety of strategic IT initiatives including demanding disaster recovery requirements.

The HPE B-series SN2600B SAN Extension Switch centralizes backup to consolidate infrastructure and administrative resources.

It is designed with built-in tools to verify the condition of WAN links and network paths, and validate the proper setup of configurations prior to deployment.

Powerful Performance

Supporting up to 250 milliseconds Round-Trip Time (RTT) latency, the HPE SN2600B SAN Extension Switch enables cost-effective extension solutions over distances up to 25,500 kilometers (15,845 miles). [1]



Leverage TCP Acceleration to help achieve increased replication speeds from storage devices, and WAN-optimized TCP to help ensure in-order, lossless transmission of extension data.

With twelve 32Gbps-capable Fibre Channel ports, six 1/10-Gigabit Ethernet (GbE) ports, and a 2.5Gb/s WAN tunnel, this switch offers the bandwidth and throughput required for greater application performance.

Technical specifications

HPE SN2600B 32Gb 12/12 Power Pack+ 12-port 16Gb Short Wave SFP+ SAN Extension Switch

Product Number	R6W21A
Port speed	32Gbps FC and 1/10Gbps Ethernet
Encryption capability	IPsec encryption
Protocol supported	Fibre Channel, Ethernet, FCIP
Form factor	1U
Upgradability	<p>The following optional extension features can be enabled on the HPE SN2600B SAN Extension Switch base configuration via the upgrade license:</p> <ul style="list-style-type: none"> • Enable WAN-side throughput from 1 Gb/s to 2.5 Gb/s • Turn on additional 8 Fibre Channel ports, includes 16 Gb/s SFPs • Enable advanced software features, including Fabric Vision technology, Extension Trunking, Fibre Channel Trunking, FC Routing and Extended Fabrics
Software (optional)	SANnav
Product Dimensions (metric)	<p>Width: 44.0 cm Height: 4.4 cm Depth: 45.7 cm</p>
Weight	<p>7.98 kg empty 8.35 kg fully loaded</p>



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

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Other related services

[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.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

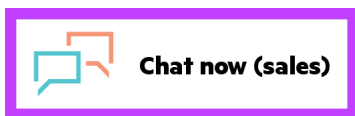
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[1] Brocade 7810 Extension Switch Product Brief, 2020 - <https://docs.broadcom.com/doc/7810-PB>

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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