

HPE C8R07A

Datasheet



Product Overview

- HPE's Storage Fibre Channel Switch B-series SN3600B delivers high-performance, scalable connectivity in the all-flash, virtualized data center.
- Designed for storage administrators in modern enterprises, it is ideal for virtualization, cloud architectures, and growing SAN environments.
- The SN3600B supports 32Gb Fibre Channel, offers up to 24 SFP+ ports in a compact 1U form factor, and delivers low latency plus high bandwidth.
- Differentiators include dynamic Ports on Demand, investment protection with support for multiple FC generations, and full interoperability.
- Simple deployment is enabled by preconfigured models and intuitive management, plus advanced SAN health tools for efficient operation.
- Organizations benefit from seamless scaling and superior reliability, optimizing performance for virtualization, cloud, and mission-critical workloads.

Product Highlights

- **32Gb Fibre Channel Performance:** Offers true 32Gbps flash-ready speeds, with up to 24 SFP+ ports in an energy-saving 1U rackmount design.
- **Investment Protection:** Seamlessly replaces previous SAN switch generations, protecting existing infrastructure investments for evolving IT environments.
- **Dynamic Ports on Demand:** Enables easy, cost-effective scaling in flexible 8-port increments, supporting on-demand growth and rapid expansion.
- **Advanced Virtualization Integration:** VM Insight, NVMe over Fabrics, and automated HPE Smart SAN zoning enhance performance and simplify complex deployments.

Detailed Features



C8R07A

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Component	Specification
Fixed Ports	16
Expansion Slots	16
Port Type	SFP+
Ethernet Standard	10 Gigabit Ethernet



High-Density, Flexible Connectivity

The SN3600B provides up to 24 SFP+ ports within a slim 1U rackmount, supporting 32Gb, 16Gb, 8Gb, and 4Gb speeds. This high port density enables outstanding scalability for dynamic data centers with space or budget limitations.

Flash-Ready Performance

Engineered to support performance-intensive, low-latency environments, the switch delivers rapid data transfer while minimizing port-to-port latency (<900 nanoseconds) for flash storage SANs and mission-critical workloads.

Investment Protection

The SN3600B is backward compatible, serving as a direct replacement for prior HPE 8 Gb and 16 Gb entry-level Fibre Channel switches. This approach extends the lifecycle of existing investments while supporting next-gen technology transitions.

Flexible Ports on Demand

Dynamic Port on Demand (PoD) licensing allows small, incremental upgrades (in 8-port groups) so organizations can expand their SAN infrastructure efficiently, minimizing upfront costs and enabling just-in-time growth.

Advanced Virtualization Visibility

Enhanced with Virtual Machine Insight and VMID support, the switch provides granular monitoring of virtualized application IO. This allows admins to identify bottlenecks and optimize resource allocation for better VM performance.

Automated SAN Management

Integrated with HPE Smart SAN for 3PAR, the SN3600B automates zoning and orchestration of all-flash deployments, enabling fast and error-free setup from a centralized interface to speed up provisioning.

Enterprise-Grade Resilience

Equipped with redundant power supplies and built-in reliability, the switch features high availability, stable operation, and field-proven HPE B-series quality, ensuring business continuity for demanding applications.

Energy Efficient Operation

The 1U form factor, back-to-front airflow design, and real-time power monitoring help reduce both energy consumption and operating costs an ideal fit for data centers focused on efficiency.

Technical Specifications

Product Specifications

Feature	Value
Fixed Ports / Expansion Slots	16
Number of Expansion Slots	16
Expansion Slot Details	SFP+
Number of SFP+ Slots	16
Fixed Ports / Expansion Slot Details	16 x 10 Gigabit Ethernet SFP+
Ethernet Standard	10 Gigabit Ethernet
Media Standard	Optical Fiber
Technology Standard	10GBase-X
Manageable	Yes
Height	1.69 in
Width	16.88 in
Depth	12.07 in
Form Factor	Rack-mountable
Rack Support	1U



Feature	Value
Eco Friendly	Yes
Power Supply	Power Supply
Redundant Power Supply	Yes

Product Comparison

Feature	C8R07A	C9500-12Q-E	NVIDIA Mellanox MSN3700-VS2FO
Fixed Ports	16 x 10 Gigabit Ethernet SFP+	12 x 40 Gigabit Ethernet QSFP+	32 x 100GbE QSFP28
Expansion Slots	16	0	0
Form Factor	Rack-mountable 1U	Rack-mountable 1U	Rack-mountable 1U
Ethernet Standard	10GBase-X	40GBase-X	100GBase-X
Redundant Power Supply	Yes	Yes	Yes
Manageable	Yes	Yes	Yes
Media Standard	Optical Fiber	Optical Fiber	Optical Fiber

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - Power Adapter - Mounting Kit - Quick Start Guide
Optional Accessories	<ul style="list-style-type: none"> - 32Gb SFP+ Transceiver - 16Gb SFP+ Transceiver - Advanced Software License



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References

[1] HPE. (2023). HPE Storage Fibre Channel Switch B-series SN3600B Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/a00000578enw.html>