Data sheet

HPE Storage Ethernet Switch H-series SN8325H

HPE Storage DCN 16p QSFP28 100GbE Connector to Power Half Width Switch H-series SN8325H (S4Q68A)

What's new

- HPE Storage Ethernet Switch H-series SN8325H powered by HPE Aruba Networking extends its presence into hybrid cloud solutions with new SN8325 H-series half-width DCN switches.
- HPE Storage Ethernet Switch H-series SN8325H is powered by HPE Aruba Networking CX 8325 Switch Series. It is available in two form factors, 18 SFP28 ports with 4 QSFP28 ports or 16 QSFP28 ports.
- New HPE Aruba Networking service offerings for HPE Storage Ethernet Switch H-series SN8325H.

Overview

HPE Storage Ethernet Switch H-series SN8325H half-width switches help organizations balance density, high availability, and affordability which helps to save space and costs on server, storage, and HCI connectivity. They can be used in data centers, edge locations, or containers where space is at a premium (for example, retail locations, healthcare facilities, media, financial, and enterprise branches).

- It provides the power of HPE Aruba Networking management with focused support for hybrid cloud data center environments.
- SN8325H can be managed with HPE Aruba Networking Central, our cloud-based network management solution, or on-premises with HPE Aruba Networking Fabric Composer, NetConductor, or CLI-based management.
- HPE Aruba Networking CX operating system automation and programmability using built-in REST APIs and Python scripts.

Features

Designed for Storage Networks and Hybrid Cloud Applications

Enables low-latency and lossless network QoS and connectivity characteristics that storage and hybrid cloud require.

Designed using the best features of existing HA technologies such as multi-chassis link aggregation (MC-LAG) and virtual switching framework (VSF), HPE Aruba Networking virtual switch exchange (VSX) enables a distributed architecture that is highly available during upgrades or control lane events.

High-performance, high-density 1/10/25/40/100G connectivity half-width, single RU form factor. ASIC switching capacity of 2.16 Tbps (full-duplex) with 18 ports of 1/10/25 and 4 ports of 40/100G and ASIC switching capacity of 4 Tbps (full-duplex) with 16 ports of 40/100G.

New Half-width Switches Run on HPE Aruba Networking CX Operating System

The switch series provides an advanced Layer 2/3 feature set including BGP, OSPF, VRF-Lite, IPv6, dynamic VXLAN and intelligent monitoring, visibility, and remediation with a network analytics engine.

HPE Storage Ethernet Switch H-series SN8325H Half-width Switches are Fully TAA-Compliant

These switches are sourced from TAA-compliant countries to insure compliance with TAA guidelines.

Half-width Switches Provide a Wide Range of Interconnectivity Options Giving Customers Choice

HPE Storage Ethernet Switch H-series SN8325H half-width switches support 100 GbE, 40 GbE, 25 GbE, 10 GbE, and 1 GbE connectivity for your Ethernet fabric network needs.

All QSFP28 ports support breakout to 4x25 GbE, providing broader density options for 25 GbE environments.

All ports can be configured separately and do not have grouping restrictions.

Technical specifications	HPE Storage DCN 16p QSFP28 100GbE Connector to Power Half Width Switch H-series SN8325H
Product Number	S4Q68A
Port speed	40/100GbE QSFP28 ports
Ports	S4Q68A (Airflow Connector to Power) = 40/100GbE QSFP28 ports (Qty 16). 100GbE QSFP28 ports can be split into 4x25GbE or 4x10GbE for 10/25GbE connections.
Aggregate switch bandwidth	4 Tbps (full-duplex)
Protocol supported	Ethernet, NVMe-oF
Availability features	N+1 power supplies and fans integrated within the switch, not removable.
Management software	HPE Aruba Networking Fabric Composer, HPE Aruba Networking Central
Model availability	S4Q68A (Airflow Connector to Power) = 40/100GbE QSFP28 ports (Qty 16). 100GbE QSFP28 ports can be split into 4x25GbE or 4x10GbE for 10/25GbE connections.
Software (optional)	HPE Aruba Networking Fabric Composer
Software (required)	HP Aruba Networking CX 10.15.1000
Form factor	1U half-width
Warranty	Limited Lifetime Warranty EOS + 5 Years

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

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

Support services

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.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

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

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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