

# HPE Storage Ethernet Switch H-series SN8325H

HPE Storage DCN 18p SFP28 25GbE 4p QSFP28 100GbE Connector to Power Half Width Sw H-series SN8325H (S4Q66A)



## 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 18p SFP28 25GbE 4p QSFP28 100GbE Connector to Power Half Width Sw H-series SN8325H
<b>Product Number</b>	S4Q66A
<b>Port speed</b>	40/100GbE QSFP28 ports and 1/10/25GbE SFP28 ports
<b>Aggregate switch bandwidth</b>	2.16 Tbps (full-duplex)
<b>Protocol supported</b>	Ethernet, NVMe-oF
<b>Management software</b>	HPE Aruba Networking Fabric Composer, HPE Aruba Networking Central
<b>Availability features</b>	N+1 power supplies and fans integrated within the switch, not removable.
<b>Form factor</b>	1U half-width
<b>Model availability</b>	S4Q66A (Airflow Connector to Power) = 1/10/25GbE SFP28 ports (Qty 18) + 40/100GbE QSFP28 ports (Qty 4).100GbE QSFP28 ports can be split into 4x25GbE or 4x10GbE for 10/25GbE connections.
<b>Software (required)</b>	HP Aruba Networking CX 10.15.1000
<b>Ports</b>	S4Q66A (Airflow Connector to Power) = 1/10/25GbE SFP28 ports (Qty 18) + 40/100GbE QSFP28 ports (Qty 4).100GbE QSFP28 ports can be split into 4x25GbE or 4x10GbE for 10/25GbE connections.
<b>Software (optional)</b>	HPE Aruba Networking Fabric Composer

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**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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