aruba

a Hewlett Packard
Enterprise company

# Aruba 8325-48Y8C Power to Port Airflow 6 Fans 2 DC PSU Switch Bundle for HPE (S1D10A)



## What's new

- High-performance Aruba campus core and aggregation switch and data center top-of-rack switch with 6.4 Tbps switching capacity.
- ArubaOS-CX automates using REST APIs and Python scripts.
- Monitor and troubleshoot with Aruba Network Analytics Engine.
- High availability, virtualization and simplicity with redundant power supplies and fans and Aruba VSX.
- Compact 1U switches with 1GbE, 10GbE, 25GbE, 40GbE, and 100GbE connectivity.
  Advanced Layer 2/3 feature set includes BGP, OSPF, VRF, VXLAN, and

## Overview

The Aruba 8325 switch serves as both a campus (core and aggregation) and data center (Top of Rack) switch. This game-changing solution offers an innovative approach to dealing with network demands in the mobile, cloud and IoT era.

The Aruba 8325 is based on ArubaOS-CX, a modern software system that automates and simplifies critical and complex network tasks, delivers enhanced fault tolerance and facilitates zero-service disruption during planned or unplanned control-plane events.

The key innovations in ArubaOS-CX are its microservices style modular architecture, REST APIs, Python scripting capabilities and the Aruba Network Analytics Engine.

IPv6.
- New Aruba Data Center Networking Solution SKUs (R9FXXX) for HPE integrated and mixed use HPE compute, storage and Aruba networking configuration and deployments.

The Aruba 8325 Switch Series provides line rate 1GbE, 10GbE, 25GbE, and 40GbE in a compact 1U form factor.

## Features

### Game-changing Business Agility

The Aruba 8325 Switch Series is a campus core and aggregation switch and data center Top of Rack solution with an innovative and powerful approach to dealing with the cross-domain demands of the mobile, cloud, and IoT era.

Fully programmable with ArubaOS-CX, it brings automation and visibility and helps troubleshoot via simple scripting.

Aruba Network Analytics Engine provides the ability to monitor and troubleshoot the network, system, application and security related issues easily, through simple python agents and REST APIs.

Offers high-speed fully distributed architecture with 6.4Tbps of switching capacity.

Provides robust security and QoS with advanced Layer 2 and Layer 3 features including support for BGP, OSPF, VRF and VXLAN.

### Modern Software System Simplifies and Automates

The Aruba 8325 Switch Series is based on the new ArubaOS-CX, a modern software system that automates and simplifies many critical and complex network tasks.

The built-in time series database enables customers and developers to develop software modules for historical troubleshooting, as well as analysis of historical trends, to predict and avoid future problems due to scale, security, and performance bottlenecks.

It includes stability, independent monitoring and restart of individual software modules, and enhanced software process serviceability functions. It also allows individual software modules to be upgraded for higher availability.

### High Performance and High Availability

The Aruba 8325 Switch Series includes a high-speed, fully distributed architecture and provides up to 6.4Tbps switching capacity to meet the demands and bandwidth-intensive applications today and in the future.

Aruba's high-availability technology is Aruba VSX which has been designed from ground up to deliver continuous availability, virtualization and simplicity requirements. Redundant and hot-swappable power supplies and fans provide additional resiliency.

The compact 1U switch delivers line rate 1GbE, 10GbE, 25GbE, 40GbE, and 100GbE with very low latency. Optimize for your deployment with models that provide 48 ports of 1/10/25 GbE + 8 ports of 40/100GbE or 32 ports of 40/100GbE.

### New Aruba Data Center Networking Solution SKUs for HPE

Hewlett Packard Enterprise and Aruba offer customers highly differentiated pre-engineered IT infrastructure solutions that span a wide variety HPE compute, storage, networking that span virtualization, vSAN, HCI, HPC, MCS, Microsoft, SAP HANA, Vmware, Nutanix application and IaaS service offerings.

Aruba 10/25 and 40/100G CX switches can be deployed as part of these

aruba

solutions and is often designed into these integrated solutions along with HPE ProLiant DL/DX servers, SimpliVity, Nimble, Synergy, Cray Shasta, Cray ClusterStor, Superdome Flex and HPE GreenLake.

These ready-to-deploy, integrated IT data center solutions help simplify and speed IT service delivery while reducing the time, risk, and expertise needed to deploy complex solutions.

Use these new tracking SKUs (R9FXXX) when Aruba CX switches are included in HPE integrated and mixed compute, storage and networking configuration and deployments.

# Technical specifications

## Aruba 8325-48Y8C Power to Port Airflow 6 Fans 2 DC PSU Switch Bundle for HPE

| | |
|---|---|
| **Product Number** | S1D10A |
| **Ports** | (48) 25G SFP28 ports and (8) 100G QSFP28 ports, or (32) 100G QSFP28 ports, depending on model |
| **Memory and processor** | CPU 2.2GHz<br>Memory, Drive and Flash 16GB RAM, 64GB SSD, 8GB Flash<br>Packet Buffer 32MB |
| **Throughput** | 1,905 Mpps, maximum |
| **Routing/switching capacity** | 6.4 Tbs, maximum |
| **Switch fabric speed** | 6.4 Tbps |
| **Switching capacity** | High-speed fully distributed architecture<br>Provides 6.4Tbps for switching and 2,000 Mpps for forwarding. All switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future. |
| **Stacking capabilities** | These switches serve the needs of the next generation core and aggregation layer, as well as emerging data center<br>requirements at the Top of Rack (ToR) and End of Row (EoR) |
| **Management features** | Industry-standard CLI with hierarchical structure, SNMP v2c/v3, sFlow (RFC 3176), remote monitoring (RMON) |
| **Power supply name** | Field-replaceable, hot-swappable, and up to 2 power supplies. |
| **Input voltage** | 100-240VAC |
| **Power consumption** | Max: 550W |
| **Product dimensions (imperial)** | (48) 1.71 x 17.26 x 21.1 in (32) 1.73 x 17.42 x 18.62 in |
| **Weight** | (48) 22.05 lb (32) 23.96 lb |

aruba

## Aruba Global Services

Aruba Global Services simplifies and accelerates the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what Aruba Global Services has to offer at: arubanetworks.com/services/
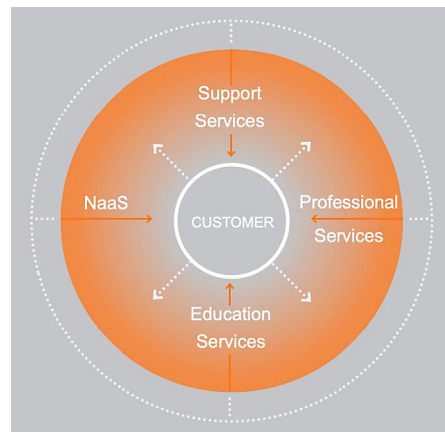
## Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

## Professional Services from Aruba

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from Aruba technology.

**QuickStart Services** include:
- Planning, audit and assessment
- Intelligent Operations
- Architecture review and design

**Proactive Engineering Services** include:
- Customer Experience Management
- Deployment, migration, and knowledge transfer
- Network optimization

Our Education Services allow your team to come up to speed quickly.

## Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba here.

**Make the right purchase decision.**
**Contact our presales specialists.**

Find a partner

Chat now (sales)

Call now

Buy now

Share now

Get updates

aruba
a Hewlett Packard Enterprise company