

HPE Aruba Networking 8325-48Y8C 48p 25G SFP/SFP+/SFP28 8p 100G QSFP+/QSFP28 BF 6 Fans 2 DC Bdl (JL858A)



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 IPv6.
- New Aruba Data Center Networking Solution SKUs (R9FXXX) for HPE

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

integrated and mixed use HPE compute, storage and Aruba networking configuration and deployments.

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 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

HPE Aruba Networking 8325-48Y8C 48p 25G SFP/SFP+/SFP28 8p 100G QSFP+/QSFP28 BF 6 Fans 2 DC Bdl

Product Number	JL858A
Differentiator	48-port SFP28 (1/10/25 GbE) and 8-port QSFP28 (40/100 GbE) switch with six back-to-front fans and two back-to-front power supplies.
Ports	(48) 25G SFP28 ports and (8) 100G QSFP28 ports
Memory and processor	CPU 2.2GHz Memory, Drive and Flash 16GB RAM, 64GB SSD, 8GB Flash 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 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 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	496W, maximum
Product dimensions	41.9 x 436.9 x 559.8 mm
Weight	9.8 kg

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

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate 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 HPE Services - Aruba Networking has to offer at: arubanetworks.com/services/



Support Services from HPE Aruba Networking

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services from HPE Aruba Networking

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 HPE Aruba Networking technology.

Project based services

include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Annual subscription services include:

- Network optimization
- Intelligent Operations
- Customer Experience Management

Make the right purchase decision. Contact our presales specialists.

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Chat now (sales)



Share now



Get updates

Our [Education Services](#) allow your team to come up to speed quickly.

HPE Aruba Networking Network as-a-Service (NaaS)

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

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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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[PSN1014645313WWEN](#), April, 2024.