## Overview

Aruba 8325 Switch Series

The Aruba 8325 Switch Series offers a flexible and innovative approach to addressing the application, security, and scalability demands of the mobile, cloud and IoT era. 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). They provide over 6.4Tbps of capacity, with line-rate Gigabit Ethernet interfaces including 1Gbps, 10Gbps, 25Gbps, 40Gbps, and 100Gbps.

The 8325 series includes industry-leading line rate ports 1/10/25GbE (SFP/SFP+/SFP28) and 40/100GbE (QSFP+/QSFP28) with connectivity in a compact 1U form factor. These switches offer a fantastic investment for customers wanting to migrate from older 1GbE/10GbE to faster 25GbE, or 10GbE/40GbE to 100GbE ports.
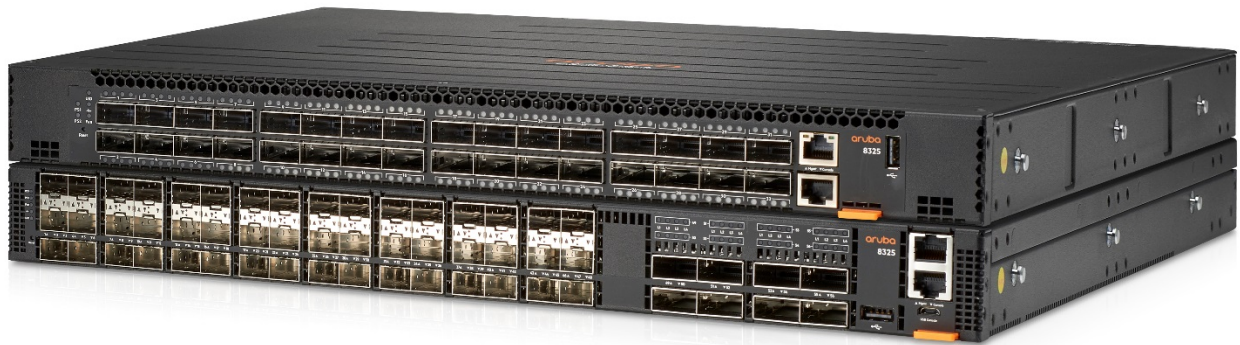
Key features

- High performance 6.4Tbps with 2,000Mpps throughput
- Intelligent monitoring and visibility with Aruba Network Analytics Engine
- High availability with industry-leading VSX redundancy, and redundant power supplies and fans
- Designed for core/aggregation in the campus or Top of Rack (ToR) or End of Row (EoR) in the data center
- ArubaOS-CX automation and programmability using built-in REST APIs and Python scripts
- Advanced Layer 2/3 feature set includes BGP, OSPF, VRF-lite, and IPv6
- Compact 1U switches with 1/10/25GbE and 40/100GbE connectivity

Models

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle	JL624A
Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle	JL625A
Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle	JL626A
Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle	JL627A

Standard Features

Product Differentiators
The Aruba 8325 switch series is based on ArubaOS-CX, a modern, database-driven operating system that automates and simplifies many critical and complex tasks. The enhanced capabilities of ArubaOS-CX include Aruba Network Analytics Engine, support for Aruba NetEdit, and the Aruba Virtual Switching Extension (VSX).

Modular Architecture with ArubaOS-CX
ArubaOS-CX is built on a modular Linux architecture with OVSDB, providing the following unique capabilities:
- Safe and powerful access to all state at all times allows unique visibility and analytics capabilities
- REST APIs and Python scripting provide fine-grained programmability
- Microservices architecture enables full integration with other workflow systems and services
- Continual state synchronization provides superior fault tolerance and high availability
- All software processes communicate with the database rather than with each other, ensuring high stability with minimal inter-process communication

Aruba Network Analytics Engine
ArubaOS-CX includes Aruba's Network Analytics Engine (NAE) for advanced telemetry and automation. The NAE framework is an industry-first monitoring and troubleshooting system, providing greatly improved network operations. NAE uniquely provides the ability to monitor and easily troubleshoot network health and congestion issues. The Time Series Database (TSDB) may be used to store configuration and operational state.

Customers can use data from the TSDB to write software modules to troubleshoot problems. This data may also be used to analyze trends, identify anomalies and predict future capacity requirements.

Aruba Virtual Switching Extension
The ability of ArubaOS-CX to maintain synchronous state across dual control planes allows a unique high availability solution called Aruba Virtual Switching Extension (VSX). VSX is delivered through redundancy gained by deploying two chassis with an inter-switch link, with each chassis maintaining its independent control.

Designed using the best features of existing HA technologies such as Multi-chassis Link Aggregation (MC-LAG) and Virtual Switching Framework (VSF), Aruba VSX enables a distributed architecture that is highly available during upgrades or control plane events.

Product Capabilities
Performance
- **High-speed fully distributed architecture**
  Provides 6.4Tbps for switching and 2,000MPPS for forwarding. All switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future.
- **Scalable system design**
  Provides investment protection to support future technologies and higher-speed connectivity

Connectivity
- **High-density port connectivity**
  - 32 ports of 40GbE/100GbE (QSFP+/QSFP28), or
  - 48 ports of 1GbE/10GbE/25GbE (SFP/SFP+/SFP28) and 8 ports of 40GbE/100GbE (QSFP+/QSFP28) SFP+ ports (with an optional 10GBASE-T transceiver)
- **Jumbo frames**
  Supports high-performance backups and disaster-recovery systems; provides a maximum frame size of 9K bytes

- **Packet storm protection**
  Protects against unknown broadcast, unknown multicast, or unicast storms with user-defined thresholds

Quality of Service (QoS)
- **Powerful QoS feature**
  Supports congestion actions like strict priority (SP) queuing and weighted fair queuing

Standard Features

Resiliency and high availability

- **Aruba Virtual Switching Extension (VSX)**
  VSX enables a distributed and redundant architecture by deploying two switches with each switch maintaining independent control yet staying synchronized during upgrades or failover. Also supports upgrades during live operation.
- **Virtual Router Redundancy Protocol (VRRP)**
  Allows groups of two routers to dynamically back each other up to create highly available routed environments
- **Ethernet Ring Protection Switching (ERPS)**
  Supports rapid protection and recovery in a ring topology.
- **Unidirectional Link Detection (UDLD)**
  Monitors link connectivity and shuts down ports at both ends if unidirectional traffic is detected, preventing loops in STP-based networks
- **IEEE 802.3ad LACP**
  Supports up to 54 link aggregation groups (LAGs), each with eight links per group, with a user-selectable hashing algorithm
- **Redundant power supplies**
  Provides N+1 high reliability with hot swappable, redundant power supplies
- **Redundant and load-sharing fans and power supplies**
  Increases total performance and power availability while providing hitless, stateful failover
- **Hot swappable power supply and fan modules**
  Allows replacement of modules without any operational impact on other modules
- **Separate data and control paths**
  Separates control from services and keeps service processing isolated; increases security and performance

Management

- **Management interface control**
  Enables or disables each of the following interfaces depending on security preferences: console port, or reset button
- **Industry-standard CLI with a hierarchical structure**
  Reduces training time and expenses, and increases productivity in multivendor installations
- **Management security**
  Restricts access to critical configuration commands; offers multiple privilege levels with password protection; ACLs provide SNMP access; local and remote Syslog capabilities allow logging of all access
- **IPSLA**
  Monitor the network for degradation of various services, including monitoring voice. Monitoring is enabled via the NAE for history and for automated gathering of additional information when anomalies are detected.
- **SNMP v2c/v3**
  Provides SNMP read and trap support of industry standard Management Information Base (MIB), and private extensions
- **sFlow (RFC 3176)**
  Provides scalable ASIC-based wire speed network monitoring and accounting with no impact on network performance; this allows network operators to gather a variety of sophisticated network statistics and information for capacity planning and real-time network monitoring purposes.
- **Remote monitoring (RMON)**
  Uses standard SNMP to monitor essential network functions and supports events, alarms, history, and statistics groups as well as a private alarm extension group
- **TFTP and SFTP support**
  Offers different mechanisms for configuration updates; trivial FTP (TFTP) allows bidirectional transfers over a TCP/ IP network; Secure File Transfer Protocol (SFTP) runs over an SSH tunnel to provide additional security
- **Debug and sampler utility**
  Supports ping and traceroute for IPv4 and IPv6
- **Network Time Protocol (NTP)**
  Synchronizes timekeeping among distributed time servers and clients; keeps timekeeping consistent among all clock-dependent devices within the network. Can serve as the NTP server in a customer network.
- **IEEE 802.1AB Link Layer Discovery Protocol (LLDP)**
  Advertises and receives management information from adjacent devices on a network, facilitating easy mapping by network management applications

Standard Features

Management
- **Dual flash images**
  Provides independent primary and secondary operating system files for backup while upgrading
- **Multiple configuration files**
  Stores easily to the flash image

Layer 2 switching
- **VLAN**
  Supports up to 4,040 port-based or IEEE 802.1Q-based VLANs
- **VLAN Translation**
  Remaps VLANs during transit across a core network
- **Static VXLAN**
  Supports static VXLAN. Allows operators to manually connect two or more VXLAN tunnel endpoints (VTEP).
- **Dynamic VXLAN with BGP-EVPN**
  Deep segmentation for Spine/Leaf data center networks or Layer 3 campus designs
- **Port mirroring**
  Duplicates port traffic (ingress and egress) to a local or remote monitoring port; supports 4 mirroring groups, with an unlimited number of ports per group
- **Data Center Bridging (DCB)**
  Supports lossless Ethernet networks with standard PFC, ETS and DCBX support
- **STP**
  Supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- **Internet Group Management Protocol (IGMP)**
  Controls and manages the flooding of multicast packets in a Layer 2 network
- **Rapid Per-VLAN spanning tree plus (RPVST+)**
  Allows each VLAN to build a separate spanning tree to improve link bandwidth usage in network environments with multiple VLANs

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Layer 3 services
- **Address Resolution Protocol (ARP)**
  Determines the MAC address of another IP host in the same subnet; supports static ARPs; gratuitous ARP allows detection of duplicate IP addresses; proxy ARP allows normal ARP operation between subnets or when subnets are separated by a Layer 2 network
- **IP Directed Broadcast**
  Supports directed broadcast on configured network subnets.

- **Dynamic Host Configuration Protocol (DHCP)**
  DHCP services are offered within a client network to simplify network management. DHCP Relay enables DHCP operation across subnets
- **Domain Name System (DNS)**
  Provides a distributed database that translates domain names and IP addresses, which simplifies network design; supports client and server.

Layer 3 routing
- **Policy Based Routing (PBR)**
  Enables using a classifier to select traffic that can be forwarded based on policy set by the network administrator.
- **Static IPv4 routing**
  Provides simple manually configured IPv4 routing
- **Open shortest path first (OSPF)**
  Delivers faster convergence; uses link-state routing Interior Gateway Protocol (IGP), which supports ECMP, NSSA, and MD5 authentication for increased security and graceful restart for faster failure recovery

Standard Features

Layer 3 routing

- **Border Gateway Protocol 4 (BGP-4)**
  Delivers an implementation of the Exterior Gateway Protocol (EGP) utilizing path vectors; uses TCP for enhanced reliability for the route discovery process; reduces bandwidth consumption by advertising only incremental updates; supports extensive policies for increased flexibility; scales to very large networks
- **Multiprotocol BGP (MP-BGP) with IPv6 Address Family**
  Enables sharing of IPv6 routes using BGP and connections to BGP peers using IPv6
- **6in4 tunnels**
  Supports the tunneling of IPv6 traffic in an IPv4 network.
- **IP performance optimization**
  Provides a set of tools to improve the performance of IPv4 networks; includes directed broadcasts, customization of TCP parameters, support of ICMP error packets, and extensive display capabilities
- **Static IPv6 routing**
  Provides simple manually configured IPv6 routing
- **Dual IP stack**
  Maintains separate stacks for IPv4 and IPv6 to ease the transition from an IPv4-only network to an IPv6-only network design
- **OSPFv3**
  Provides OSPF support for IPv6
- **Equal-Cost Multipath (ECMP)**
  Enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth
- **Generic Routing Encapsulation (GRE)**
  Enables tunneling traffic from site to site over a Layer 3 path

Security

- **TAA Compliance**
  The Aruba 8325, a TAA-compliant product, with the ArubaOS-CX uses FIPS 140-2 validated cryptography for protection of sensitive information
- **Access control list (ACL) Features**
  Supports powerful ACLs for both IPv4 and IPv6. Supports creation of object groups representing sets of devices like IP addresses. For instance, IT management devices could be grouped in this way. ACLs can also protect control plane services such as SSH, SNMP, NTP or web servers.
- **Remote Authentication Dial-In User Service (RADIUS)**
  Eases security access administration by using a password authentication server
- **Terminal Access Controller Access-Control System (TACACS+)**
  Delivers an authentication tool using TCP with encryption of the full authentication request, providing additional security
- **Management access security**
  Aruba OS CX provides for both on-box as well as off- box authentication for administrative access. RADIUS or TACACS+ can be used to provide encrypted user authentication. Additionally, TACACS+ can also provide user authorization services
- **Secure shell (SSHv2)**
  Uses external servers to securely log in to a remote device; with authentication and encryption, it protects against IP spoofing and plain-text password interception; increases the security of Secure FTP (SFTP) transfers

Multicast

- **Internet Group Management Protocol (IGMP)**
  Enables establishing multicast group memberships in IPv4 networks; supports IGMPv1, v2, and v3
- **Multicast Listener Discovery (MLD)**
  Enable discovery of IPv6 multicast listeners; supports MLDv1 and v2
- **Multicast Service Delivery Protocol (MSDP)**
  Efficiently routes multicast traffic through core networks
- **IGMP/MLD Snooping**
  Prevent flooding of multicast traffic to non-listening ports.
- **Protocol Independent Multicast (PIM)**
  PIM for IPv4 and IPv6 supports one-to-many and many-to-many media casting use cases such as IPTV over IPv4 and IPv6 networks. Support for PIM Sparse Mode (PIM-SM, IPv4 and IPv6).

Standard Features

Additional information
- **Green initiative support**
  Provides support for RoHS (EN 50581:2012) regulations

Warranty and support
- **5-year Warranty**
  See **http://www.hpe.com/networking/warrantysummary** for warranty and support information included with your product purchase.
- **Software releases**
  To find software for your product refer to **http://www.hpe.com/networking/support**; for details on the software releases available with your product purchase, refer to **http://www.hpe.com/networking/warrantysummary**.

Configuration Information

Ordering Information
Build To Order:
BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

BTO Models		
Rule #	**Description**	**SKU**
1, 2, 3, 4, 5, 6	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle	JL624A
	• Includes 2 FB Power Supplies (JL632A) with no additional open PS slots • Includes 6 FB Fan Tray Bundles (JL628A) with no additional open FT Slots • Must select a Rack Kit • Min=0 \ Max= 48 SFP+/SFP28 10/25G Transceivers • Min=0 \ Max = 8 QSFP+/QSFP28 40/100G Transceivers • 1U - Height	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle PDU	JL624A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle PDU	JL624A#B2C
	• C13 PDU Jumper Cord (ROW)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle 220v	JL624A#B2E
	• HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle No Loc	JL624A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 2, 3, 4, 5, 6	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle	JL625A
	• Includes 2 BF Power Supplies (JL633A) with no additional open PS slots • Includes 6 BF Fan Tray Bundles (JL629A) with no additional open FT Slots • Must select a Rack Kit • Min=0 \ Max= 48 SFP+/SFP28 10/25G Transceivers • Min=0 \ Max = 8 QSFP+/QSFP28 40/100G Transceivers • 1U - Height	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle PDU	JL625A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle PDU	JL625A#B2C
	• C13 PDU Jumper Cord (ROW)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle 220v	JL625A#B2E
	• HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle No Loc	JL625A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
4, 5, 6	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle	JL626A

Configuration Information

- Includes 2 FB Power Supplies (JL632A) with no additional open PS slots
- Includes 6 FB Fan Tray Bundles (JL630A) with no additional open FT Slots
- Must select a Rack Kit
- Min=0 \ Max = 32 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle PDU		JL626A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle PDU   JL626A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle   JL626A#B2E
220v

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle No   JL626A#AC3
Loc

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

4, 5, 6   Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle   JL627A

- Includes 2 BF Power Supplies (JL633A) with no additional open PS slots
- Includes 6 BF Fan Tray Bundles (JL631A) with no additional open FT Slots
- Must select a Rack Kit
- Min=0 \ Max = 32 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle PDU   JL627A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle PDU   JL627A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle   JL627A#B2E
220v

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle No   JL627A#AC3
Loc

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Configuration Rules

Rule #	Description	SKU
1	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
2	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D

Configuration Information

3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
4	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
5	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A

6   Localization required on orders without #B2B, #B2C, #B2E or #AC3 options.

Remarks: Drop down under power supply should offer the following options and results:
Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)
Switch/Router/Power Supply to Wall Power Cord – Localized Option (Watson Default for BTO and Box Level CTO)
High Volt Switch/Router/Power Supply to Wall Power Cord - #B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
No Power Cord - #AC3 Option
OCA Blue Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab.
OCA Only Model Selection Form –
HPE Offering > Aruba > Switches - ArubaOS:
Aruba 8325 Switch Series

Configuration Information

Rack Level Integration CTO Models

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle	JL624A

- Includes 2 FB Power Supplies (JL632A) with no additional open PS slots
- Includes 6 FB Fan Tray Bundles (JL628A) with no additional open FT Slots
- Must select 4 Post Rack Kit
- Min=0 \ Max= 48 SFP+/SFP28 10/25G Transceivers
- Min=0 \ Max = 8 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle PDU	JL624A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle PDU	JL624A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle 220v	JL624A#B2E

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle No Loc	JL624A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle	JL625A

- Includes 2 BF Power Supplies (JL633A) with no additional open PS slots
- Includes 6 BF Fan Tray Bundles (JL629A) with no additional open FT Slots
- Must select 4 Post Rack Kit
- Min=0 \ Max= 48 SFP+/SFP28 10/25G Transceivers
- Min=0 \ Max = 8 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle PDU	JL625A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle PDU	JL625A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle 220v	JL625A#B2E

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle No Loc	JL625A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Rule #	Description	SKU
4, 5, 6, 7	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle	JL626A

- Includes 2 FB Power Supplies (JL632A) with no additional open PS slots
- Includes 6 FB Fan Tray Bundles (JL630A) with no additional open FT Slots
- Must select 4 Post Rack Kit
- Min=0 \ Max = 32 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle PDU	JL626A#B2B

Configuration Information

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle PDU   JL626A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle   JL626A#B2E
220v

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle No   JL626A#AC3
Loc

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

4, 5, 6, 7   Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle   JL627A

- Includes 2 BF Power Supplies (JL633A) with no additional open PS slots
- Includes 6 BF Fan Tray Bundles (JL631A) with no additional open FT Slots
- Must select 4 Post Rack Kit
- Min=0 \ Max = 32 QSFP+/QSFP28 40/100G Transceivers
- 1U - Height

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle PDU   JL627A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle PDU   JL627A#B2C

- C13 PDU Jumper Cord (ROW)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle   JL627A#B2E
220v

- HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle No   JL627A#AC3
Loc

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Configuration Rules

Rule #	Description	SKU
1	The following Transceivers install into this Switch: (Use #0D1 or #B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
2	The following Transceivers install into this Switch: (Use #0D1 quoted to switch if switch is CTO) - if applicable:	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D

Configuration Information

3	The following Transceivers install into this Switch: (Use #0D1 or #B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
4	The following Transceivers install into this Switch: (Use #0D1 or #B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
5	The following Transceivers install into this Switch: (Use #0D1 or #B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
6	Localization required on orders without #B2B, #B2C, #B2E or #AC3 options.	
7	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with #0D1) to the HPE Network Rack.	

Remarks: Drop down under power supply should offer the following options and results:
Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)
Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson Default for BTO and Box Level CTO)
High Volt Switch/Router/Power Supply to Wall Power Cord - #B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
No Power Cord - #AC3 OptionNo Power Cord - #AC3 Option
OCA Blue Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab

Configuration Information

Transceivers		

SFP Transceivers

Rule #	Description	SKU
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
1	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D

Configuration Rules

Rule #	Description
1	min 0 // max 32 of XCVRs (J8177D) can be installed into the following Switches:
	JL624A
	JL625A
	OCA Display note:J8177D Max of 32 in either the JL624A/JL625A and can be installed into ports 1-48 excluding 3rd row of ports.

SFP+ Transceivers

Rule #	Description	SKU
1	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D

Configuration Rules

Rule #	Description
1	min 0 // max 12 XCVRs (JL563A) can be installed into the following Switches:
	JL624A
	JL625A
	OCA Display **NOTE:** JL563A Max of 12 in either the JL624A/JL625A and only allowed in ports 1-17 excluding 3rd row of ports.

SFP28 Transceivers

Rule #	Description	SKU
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A

QSFP+ Transceivers

	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A

Configuration Information

HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A

QSFP28 Transceivers

Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A

Remarks: OCA Blue **NOTE:** 100G CWDM4, AOCs will be forthcoming. Please contact your HPE Aruba Sales Representative for more information.

Switch Options

Rack Mount Kits
For 8325 System (std 0 // max 1) User Selection (min 1 // max 1) per enclosure

Rule #	Description	SKU
	Aruba X472 2-post Rack Kit	JL482B
1	Aruba X474 4-post Rack Kit	JL483B

Configuration Rules

Rule #	Description
1	If the switch will be factory racked into an HPE Universal Rack, then (Min 1) of the 4 Post Rack Mount kit is required.

Accessories

Spare Items
System (std 0 // max 99) User Selection (min 0 // max 99) per enclosure

Rule #	Description	SKU
1	Aruba 8325 650W 100-240VAC Front-to-Back Power Supply	JL632A
	• includes 1 x c13, 650w	
	PDU Cable NA/MEX/TW/JP	JL632A #B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	PDU Cable ROW	JL632A #B2C
	• C13 PDU Jumper Cord (ROW)	
	High Volt Switch/Router to Wall Power Cord	JL632A #B2E
	• HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)	
	No Power Cord	JL632A #AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1	Aruba 8325 650W 100-240VAC Back-to-Front Power Supply	JL633A
	• includes 1 x c13, 650w	
	PDU Cable NA/MEX/TW/JP	JL633A #B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	PDU Cable ROW	JL633A #B2C
	• C13 PDU Jumper Cord (ROW)	
	High Volt Switch/Router to Wall Power Cord	JL633A #B2E
	• HPE 2.3M C13 to NEMA L6-20P Power Cord(J9936A)	
	No Power Cord	JL633A #AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
	Aruba 8325-48Y8C Front-to-Back Fan	JL628A
	Aruba 8325-48Y8C Back-to-Front Fan	JL629A

Configuration Information

Aruba 8325-32C Front-to-Back Fan	JL630A
Aruba 8325-32C Back-to-Front Fan	JL631A
Aruba X472 2-post Rack Kit	JL482B
Aruba X474 4-post Rack Kit	JL483B
Aruba X2C2 RJ45 to DB9 Console Cable	JL448A

Configuration Rules

Rule #	Description
1	Localization required on orders without #B2B, #B2C, #B2E or #AC3 options.
Remarks:	Drop down under power supply should offer the following options and results:
	Switch/Router to PDU Power Cord - #B2B in NA, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)
	Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson Default for BTO and Box Level CTO)
	High Volt Switch/Router/Power Supply to Wall Power Cord - #B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
	No Localized Power Cord Selected - #AC3 Option
	OCA Blue **NOTE:** Locking Power Cord (J9955A) L6-20P is available in the Accessories tab
	OCA Blue **NOTE:** 2 Power Supply is included with the Switch Bundle

Bundles and Accessories

Rule #	Description	SKU
	Aruba 8320 Bundles	
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle	JL624A
	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle	JL625A
	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle	JL626A
	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle	JL627A
	Accessories	
	Aruba 8325-48Y8C Front-to-Back Fan	JL628A
	Aruba 8325-48Y8C Back-to-Front Fan	JL629A
	Aruba 8325-32C Front-to-Back Fan	JL630A
	Aruba 8325-32C Back-to-Front Fan	JL631A
	Power supply	
	Aruba 8325 650W 100-240VAC Front-to-Back Power Supply	JL632A
	Aruba 8325 650W 100-240VAC Back-to-Front Power Supply	JL633A
	Console cable	
	Aruba X2C2 RJ45 to DB9 Console Cable	JL448A
	Transceivers	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
4	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
2	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563A

Configuration Information

Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A

Remarks   8325 Series Switches do not support the use of 10G LRM transceivers (J9152D), nor 10G 7 meter Direct Attach Copper Cables (J9285D)

Configuration Rules

Rule #	Description
1	Consult the ArubaOS-Switch and ArubaOS-CX Transceiver Guide in the Aruba Support Portal for the minimum required software releases to support these transceivers.
2	10G LR support only for Revision E part, J9151E (**NOTE:** do not use J9151D).
3	Maximum of 12 10GBASE-T Transceiver (JL563A) in 8325-48Y8C models JL624A and JL625A. Only allowed in ports 1-2, 4-5, 7-8, 10-11, 13-14, 16-17 (n/a to 8325-32C models JL626A and JL627A).
4	Maximum of 32 1G SFP RJ45 T 100m Cat5e Transceiver (J8177D) in 8325-48Y8C models JL624A and JL625A. Only allowed in top two rows (n/a to 8325-32C models JL626A and JL627A).

Technical Specifications

Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle (JL624A)

I/O ports and slots	Supports 48 ports of 1G/10G/25GbE (SFP/SFP+/SFP28) and 8 ports of 40G/100GbE (QSFP+/QSFP28) SFP+ ports (with an optional 10GBASE-T transceiver)	
Power supplies	Field-replaceable, hot-swappable, and up to 2 power supplies. Bundles (JL624A, JL625A, JL626A, and JL627A) include 2 power supplies.	
Fans	Field-replaceable, hot-swappable, and up to 6 fans. Bundles (JL624A, JL625A, JL626A, and JL627A) include 6 fans.	
Physical characteristics	**Dimensions**	(H) 4.3 cm x (W) 43.8 cm x (D) 53.6 cm (1.69" x 17.26" x 21.1")
	Weight	10 kg (22.05 lb)
Memory and processor	**CPU**	2.2GHz
	Memory, drive and Flash	16GB RAM, 64GB SSD, 8GB Flash
		Packet buffer: 32MB
Performance	**Switching capacity**	6.4Tbs
	IPv4 Host Table	120,000
	IPv6 Host Table	52,000
	IPv4 Unicast Routes	131,072
	IPv6 Unicast Routes	32,732
	MAC address table size	98,304
	IGMP Groups	4,094
	MLD Groups	4,094
	IPv4 Multicast Routes	4,094
	IPv6 Multicast Routes	4,094
Environment	**Operating temperature**	0°C to 40°C (32°F to 104°F) up to 3.0 km (10,000 ft.)
	Operating relative humidity	5% to 95% at 40°C (104°F) non-condensing
	Non-operating temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6 km (15,000 ft.)
	Non-operating/storage relative humidity	5% to 95% @ 65°C (149°F)
	Max operating altitude	Up to 10,000ft (3.048 km)
	Max non-operating altitude	Up to 15,000ft (4.6km)
	Primary airflow	Front-to-Back or Back-to-Front
Electrical characteristics	**Frequency**	50/60 Hz
	AC voltage	100-240 volts
	Current	6A (low voltage) – 3A (high voltage)
	Power consumption	Max: 550W
Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 UL 60950-1, CSA 22.2 No 60950-1 EN 60825-1:2007/IEC 60825-1:2007 Class 1	

Technical Specifications

EMC	EN 55032:2012, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC CFR 47 Part 15:2010, Class A VCCI Class A CNS 13438
Lasers	EN60825-1:2014/IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1
Management	SNMP RJ-45 serial USB micro USB console RJ-45 Ethernet port
Mounting and enclosure	Mounts in an EIA standard 19-inch rack or other equipment cabinet (hardware included); horizontal surface mounting only

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Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Back-to-Front 6 Fans and 2 PSU Bundle (JL625A)

I/O ports and slots	Supports 48 ports of 1G/10G/25GbE (SFP/SFP+/SFP28) and 8 ports of 40G/100GbE (QSFP+/QSFP28) SFP+ ports (with an optional 10GBASE-T transceiver)	
Power supplies	Field-replaceable, hot-swappable, and up to 2 power supplies. Bundles (JL624A, JL625A, JL626A, and JL627A) include 2 power supplies.	
Fans	Field-replaceable, hot-swappable, and up to 6 fans. Bundles (JL624A, JL625A, JL626A, and JL627A) include 6 fans.	
Physical characteristics	**Dimensions**	(H) 4.3 cm x (W) 43.8 cm x (D) 53.6 cm (1.71" x 17.26" x 21.1")
	Weight	10 kg (22.05 lb)
Memory and processor	**CPU**	2.2GHz
	Memory, drive and Flash	16GB RAM, 64GB SSD, 8GB Flash Packet buffer: 32MB
Performance	**Switching capacity**	6.4Tbs
	IPv4 Host Table	120,000
	IPv6 Host Table	52,000
	IPv4 Unicast Routes	131,072
	IPv6 Unicast Routes	32,732
	MAC address table size	98,304
	IGMP Groups	4,094
	MLD Groups	4,094
	IPv4 Multicast Routes	4,094
	IPv6 Multicast Routes	4,094
Environment	**Operating temperature**	0°C to 40°C (32°F to 104°F) up to 3.0 km (10,000 ft.)
	Operating relative humidity	5% to 95% at 40°C (104°F) non-condensing
	Non-operating temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6 km (15,000 ft.)
	Non-operating/storage relative humidity	5% to 95% @ 65°C (149°F)
	Max operating altitude	Up to 10,000ft (3.048 km)

Technical Specifications

	Max non-operating altitude	Up to 15,000ft (4.6km)
	Primary airflow	Front-to-Back or Back-to-Front
Electrical characteristics	**Frequency**	50/60 Hz
	AC voltage	100-240 volts
	Current	6A (low voltage) – 3A (high voltage)
	Power consumption	Max: 550W
Safety		EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 UL 60950-1, CSA 22.2 No 60950-1 EN 60825-1:2007/IEC 60825-1:2007 Class 1
EMC		EN 55032:2012, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC CFR 47 Part 15:2010, Class A VCCI Class A CNS 13438
Lasers		EN60825-1:2014/IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1
Management		SNMP RJ-45 serial USB micro USB console RJ-45 Ethernet port
Mounting and enclosure		Mounts in an EIA standard 19-inch rack or other equipment cabinet (hardware included); horizontal surface mounting only

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Front-to-Back 6 Fans and 2 Power Supply Bundle (JL626A)

I/O ports and slots		Supports 32 ports of 40G/100GbE (QSFP+/QSFP28)
Power supplies		Field-replaceable, hot-swappable, and up to 2 power supplies. Bundles (JL624A, JL625A, JL626A, and JL627A) include 2 power supplies.
Fans		Field-replaceable, hot-swappable, and up to 6 fans. Bundles (JL624A, JL625A, JL626A, and JL627A) include 6 fans.
Physical characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.3 cm x (D) 47.3 cm (1.69" x 17.26" x 20.28")
	Weight	10.9 kg (24.0 lb)
Memory and processor	**CPU**	2.2GHz
	Memory, drive and Flash	16GB RAM, 64GB SSD, 8GB Flash
		Packet buffer: 32MB
Performance	**Switching capacity**	6.4Tbs
	IPv4 Host Table	120,000
	IPv6 Host Table	52,000
	IPv4 Unicast Routes	131,072
	IPv6 Unicast Routes	32,732
	MAC address table size	98,304
	IGMP Groups	4,094
	MLD Groups	4,094
	IPv4 Multicast Routes	4,094
	IPv6 Multicast Routes	4,094

Technical Specifications

Environment	**Operating temperature**	0°C to 40°C (32°F to 104°F) up to 3.0 km (10,000 ft.)
	Operating relative humidity	5% to 95% at 40°C (104°F) non-condensing
	Non-operating temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6 km (15,000 ft.)
	Non-operating/storage relative humidity	5% to 95% @ 65°C (149°F)
	Max operating altitude	Up to 10,000ft (3.048 km)
	Max non-operating altitude	Up to 15,000ft (4.6km)
	Primary airflow	Front-to-Back or Back-to-Front
Electrical characteristics	**Frequency**	50/60 Hz
	AC voltage	100-240 volts
	Current	6A (low voltage) – 3A (high voltage)
	Power consumption	Max: 550W
Safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 UL 60950-1, CSA 22.2 No 60950-1 EN 60825-1:2007/IEC 60825-1:2007 Class 1	
EMC	EN 55032:2012, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC CFR 47 Part 15:2010, Class A VCCI Class A CNS 13438	
Lasers	EN60825-1:2014/IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1	
Management	SNMP RJ-45 serial USB micro USB console RJ-45 Ethernet port	
Mounting and enclosure	Mounts in an EIA standard 19-inch rack or other equipment cabinet (hardware included); horizontal surface mounting only	

Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle (JL627A)

I/O ports and slots	Supports 32 ports of 40G/100GbE (QSFP+/QSFP28)	
Power supplies	Field-replaceable, hot-swappable, and up to 2 power supplies. Bundles (JL624A, JL625A, JL626A, and JL627A) include 2 power supplies.	
Fans	Field-replaceable, hot-swappable, and up to 6 fans. Bundles (JL624A, JL625A, JL626A, and JL627A) include 6 fans.	
Physical characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.3 cm x (D) 47.3 cm (1.69" x 17.26" x 20.28")
	Weight	10.9 kg (24.0 lb)
Memory and processor	**CPU**	2.2GHz
	Memory, drive and Flash	16GB RAM, 64GB SSD, 8GB Flash
		Packet buffer 32MB
Performance	**Switching capacity**	6.4Tbs
	IPv4 Host Table	120,000

Technical Specifications

	IPv6 Host Table	52,000
	IPv4 Unicast Routes	131,072
	IPv6 Unicast Routes	32,732
	MAC address table size	98,304
	IGMP Groups	4,094
	MLD Groups	4,094
	IPv4 Multicast Routes	4,094
	IPv6 Multicast Routes	4,094
Environment	**Operating temperature**	0°C to 40°C (32°F to 104°F) up to 3.0 km (10,000 ft.)
	Operating relative humidity	5% to 95% at 40°C (104°F) non-condensing
	Non-operating temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6 km (15,000 ft.)
	Non-operating/storage relative humidity	5% to 95% @ 65°C (149°F)
	Max operating altitude	Up to 10,000ft (3.048 km)
	Max non-operating altitude	Up to 15,000ft (4.6km)
	Primary airflow	Front-to-Back or Back-to-Front
Electrical characteristics	**Frequency**	50/60 Hz
	AC voltage	100-240 volts
	Current	6A (low voltage) – 3A (high voltage)
	Power consumption	Max: 550W
Safety		EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 UL 60950-1, CSA 22.2 No 60950-1 EN 60825-1:2007/IEC 60825-1:2007 Class 1
EMC		EN 55032:2012, Class A EN 55024:2010 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 FCC CFR 47 Part 15:2010, Class A VCCI Class A CNS 13438
Lasers		EN60825-1:2014/IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1
Management		SNMP RJ-45 serial USB micro USB console RJ-45 Ethernet port
Mounting and enclosure		Mounts in an EIA standard 19-inch rack or other equipment cabinet (hardware included); horizontal surface mounting only

Technical Specifications

Standards and protocols (applies to all products in series)

- IEEE 802.1AB-2009
- IEEE 802.1ak-2007
- IEEE 802.1t-2001
- IEEE 802.1AX-2008 Link Aggregation
- IEEE 802.1p Priority
- IEEE 802.1Q VLANs
- IEEE 802.1s Multiple Spanning Trees
- IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3ae 10-Gigabit Ethernet
- IEEE 802.3by 25 Gigabit Ethernet
- IEEE 802.3ba 40 and 100 Gigabit Ethernet Architecture
- IEEE 802.3x Flow Control
- IEEE 802.3z 1000BASE-X
- RFC 768 UDP
- RFC 791 IP
- RFC 792 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 768 User Datagram Protocol
- RFC 813 Window and Acknowledgement Strategy in TCP
- RFC 815 IP datagram reassembly algorithms
- RFC 879 TCP maximum segment size and related topics
- RFC 896 Congestion control in IP/TCP internetworks
- RFC 917 Internet subnets
- RFC 919 Broadcasting Internet Datagrams
- RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)
- RFC 925 Multi-LAN address resolution
- RFC 1215 Convention for defining traps for use with the SNMP
- RFC 1256 ICMP Router Discovery Messages
- RFC 1393 Traceroute Using an IP Option
- RFC 1591 Domain Name System Structure and Delegation
- RFC 1657 Definitions of Managed Objects for BGP-4 using SMIv2
- RFC 1772 Application of the Border Gateway Protocol in the Internet
- RFC 1981 Path MTU Discovery for IP version 6
- RFC 1997 BGP Communities Attribute
- RFC 1998 An Application of the BGP Community Attribute in Multi-home Routing
- RFC 2385 Protection of BGP Sessions via the TCP MD5 Signature Option
- RFC 2401 Security Architecture for the Internet Protocol
- RFC 2402 IP Authentication Header
- RFC 2406 IP Encapsulating Security Payload (ESP)
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2545 Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2787 Definitions of Managed Objects for the Virtual Router Redundancy Protocol
- RFC 2918 Route Refresh Capability for BGP-4
- RFC 2934 Protocol Independent Multicast MIB for IPv4
- RFC 3137 OSPF Stub Router Advertisement
- RFC 3176 InMon Corporation's sFlow: A Method for Monitoring Traffic in Switched and Routed Networks

Technical Specifications

Standards and protocols (applies to all products in series)

- RFC 3509 Alternative Implementations of OSPF Area Border Routers
- RFC 3623 Graceful OSPF Restart
- RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
- RFC 4251 The Secure Shell (SSH) Protocol
- RFC 4271 A Border Gateway Protocol 4 (BGP-4)
- RFC 4273 Definitions of Managed Objects for BGP-4
- RFC 4291 IP Version 6 Addressing Architecture
- RFC 4292 IP Forwarding Table MIB
- RFC 4293 Management Information Base for the Internet Protocol (IP)
- RFC 4360 BGP Extended Communities Attribute
- RFC 4486 Subcodes for BGP Cease Notification Message
- RFC 4552 Authentication/Confidentiality for OSPFv3
- RFC 4724 Graceful Restart Mechanism for BGP
- RFC 4940 IANA Considerations for OSPF
- RFC 5187 OSPFv3 Graceful Restart
- RFC 6987 OSPF Stub Router Advertisement
- RFC 7047 The Open vSwitch Database Management Protocol
- RFC 4251 The Secure Shell (SSH) Protocol
- RFC 4271 A Border Gateway Protocol 4 (BGP-4)
- RFC 4291 IP Version 6 Addressing Architecture
- RFC 4292 IP Forwarding Table MIB
- RFC 4293 Management Information Base for the Internet Protocol (IP)
- RFC 4760 Multiprotocol Extensions for BGP-4
- RFC 4940 IANA Considerations for OSPF
- RFC 5187 OSPFv3 Graceful Restart
- RFC 5701 IPv6 Address Specific BGP Extended Community Attribute
- RFC 6987 OSPF Stub Router Advertisement
- RFC 7047 The Open vSwitch Database Management Protocol
- RFC 7059 A Comparison of IPv6-over-IPv4 Tunnel Mechanisms
- RFC 7313 Enhanced Route Refresh Capability for BGP-4
- RFC 8201 Path MTU Discovery for IP version 6

Summary of Changes

Date	Version History	Action	Description of Change
01-Jul-2019	Version 8	Changed	BTO Transceivers SKUs were removed from Configuration Information. Section. SKU description updates.
17-Jun-2019	Version 7	Changed	Transceivers SKUs were removed in Related Options Section. SKU descriptions were updated.
06-May-2019	Version 6	Changed	Overview, Standard Features, Technical Specification and Accessories sections were updated Obsolete SKUs were removed SKU added: J8177D
18-Feb-2019	Version 5	Changed	Technical Specifications updated
04-Feb-2019	Version 4	Added	SKU added: J9151E
10-Dec-2018	Version 3	Changed	Overview and Technical Specifications were revised
05-Dec-2018	Version 2	Changed	Transceivers updated on the Accessories section
03-Dec-2018	Version 1	New	New QuickSpecs

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