

Aruba JL624A

Datasheet



Product Overview

- Aruba CX 8325 Series switches position Aruba in the next-generation campus core, aggregation, and data center ToR markets.
- Designed for mobile, cloud, and IoT networks, they target enterprises, service providers, and organizations modernizing core and spine-leaf.
- Each system delivers up to 6.4 Tbps switching capacity with line-rate 1/10/25/40/100G ports to handle heavy east-west and north-south traffic.
- The series integrates Aruba CX OS with advanced Layer 2/3 services, including BGP, OSPF, VRF-Lite, IPv6, EVPN, VXLAN, and dynamic VXLAN overlays.
- Built-in iNetwork Analytics Engine adds real-time monitoring, visibility, and event-driven remediation for faster troubleshooting and fewer outages.
- For modern campus cores and data centers, Aruba CX 8325 simplifies operations, scales securely, and keeps latency-sensitive apps running smoothly.

Product Highlights

- **Non-blocking 6.4 Tbps Architecture:** Delivers up to 6.4 Tbps bidirectional switching and 2,000 Mpps forwarding, ensuring true line-rate performance for 1/10/25/40/100G traffic in dense enterprise and data center deployments.
- **Resilient Core with VSX:** Industry-leading VSX redundancy plus dual hot-swappable PSUs and N+1 fans provide high availability, minimal downtime, and simplified hitless upgrades for always-on campus and data center cores.
- **Rich L2/L3 and VXLAN Fabric:** Supports BGP, OSPF, VRF-Lite, IPv6, and dynamic VXLAN with BGP-EVPN for deep segmentation, multi-tenant isolation, and flexible fabric designs across campus and data center networks.
- **Operational Automation and Analytics:** Aruba CX OS, REST APIs, Python, NetEdit, and Network Analytics Engine enable automated configuration, verification, monitoring, and remediation to cut operational effort and speed troubleshooting.

Detailed Features



JL624A

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Component	Specification
Product Code	JL624A
Product Name	Aruba 8325-48Y8C 48p 25G SFP+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle
Ports	48x 25G SFP+/28, 8x 100G QSFP+/28
Cooling and Power	Front-to-Back airflow, 6 Fans, 2 Power Supplies



High-Performance Distributed Architecture

The Aruba CX 8325 family uses a fully distributed, high-speed switching architecture that delivers wire-speed forwarding for all ports. The CX 8325-32C provides 6.4 Tbps bidirectional switching and 2,000 Mpps, while CX 8325H models offer multi-terabit ASIC capacity. This ensures deterministic latency and consistent throughput for demanding applications and dense virtualized workloads.

Flexible 1/10/25/40/100G Connectivity

CX 8325 switches provide a wide mix of interface options, including 1/10/25GbE SFP/SFP+/SFP28 and 40/100GbE QSFP+/QSFP28. Models such as the CX 8325-48Y8C combine 48 dual-rate 1/10/25G ports with 8 40/100G uplinks, while CX 8325H variants support any combination of 1/10/25G on access ports. Breakout support allows 100G ports to be split into 4x25G or 4x10G, maximizing port utilization.

Optimized for Campus Core and Data Center ToR

The CX 8325 is designed for campus core and aggregation, as well as data center Top of Rack and End of Row roles. Its compact 1U design, high-density ports, and front-to-back or back-to-front airflow support diverse rack layouts and hot/cold aisle designs. High hardware scale and DCBx features make it suitable for converged Ethernet storage, HCI, and latency-sensitive services in both enterprise and service provider environments.

Advanced Telemetry and Automation

Built on the Aruba CX Operating System, the CX 8325 series embeds advanced telemetry and automation capabilities. Network Analytics Engine (NAE) agents, Python scripting, and REST APIs enable real-time data collection, event correlation, and automated responses. This architecture reduces mean time to repair by allowing operators to rapidly detect anomalies, validate changes, and remediate issues without manual, error-prone processes.

Comprehensive Layer 2/3 and Fabric Services

Aruba CX 8325 supports a full Layer 2/3 feature set including BGP, OSPF, VRF-Lite, and dual-stack IPv4/IPv6 routing. Dynamic VXLAN with BGP-EVPN enables scalable overlays for micro-segmentation and multi-tenant isolation across campus and data center fabrics. These capabilities allow enterprises to design modern leaf-spine architectures with consistent policy enforcement and flexible service insertion.

Investment Protection and Scalability

The scalable system design of the CX 8325 family protects investments as bandwidth and feature needs grow. Customers can start with 10GbE or 40GbE and smoothly migrate to 25GbE and 100GbE as workloads evolve, avoiding forklift upgrades. Support for high-density breakout configurations and Ethernet Storage Fabric solutions with HPE Storage and HCI platforms ensures long-term applicability across multiple deployment phases.

Timing-Optimized CX 8325P for Telco and 5G

Within the CX 8325 family, the CX 8325P variant adds precise timing features tailored to telco, 5G, and large public venue deployments. It supports PTP (1588v2) Boundary Clock, SMPTE, Telecom Profiles G.8275.1 and G.8275.2 with Class C performance, SyncE (G.8262.1), and GNSS integration. These capabilities enable accurate time distribution for Radio Access Network and edge computing scenarios, and pave the way for future Telco Grand Master Clock roles.

High-Density Half-Width CX 8325H Models

CX 8325H switches deliver high-density 1/10/25/40/100G in a half-width, single RU form factor with fixed, redundant power and cooling. The CX 8325H-18Y4C supports any mix of 1/10/25G across 18 ports without port grouping, while its 4x100G ports can be broken out for additional 25G or 10G links. The CX 8325H-16C allows 100G to 4x25G breakouts, giving operators granular control over link speed allocation and maximizing rack space efficiency.

Technical Specifications

Product Specifications

Feature	Value
Product Code	JL624A
Product Name	Aruba 8325-48Y8C 48p 25G SFP/+/28 8p 100G QSFP+/28 Front-to-Back 6 Fans and 2 PSU Bundle
Category	Network Switch
Brand	Aruba
Ports	48x 25G SFP/+/28, 8x 100G QSFP+/28



Feature	Value
Airflow	Front-to-Back
Fan Modules	6 Fans
Power Supplies	2 Power Supplies

Product Comparison

Feature	JL624A	JL625A	JL702A
Product Type	Aruba 8325-48Y8C 25G/100G switch	Aruba CX 8325 series 100G switch (variant)	Aruba CX 8360/83xx series switch (variant)
Fixed Ports	48x 25G SFP+/28, 8x 100G QSFP+/28	High-density 40/100G QSFP+/QSFP28 (model-specific)	Mix of 1/10/25G SFP/SFP+ and 40/100G QSFP (model-specific)
Airflow	Front-to-Back	Front-to-Back or Back-to-Front (model-specific)	Front-to-Back (model-specific)
Power and Fans	2 Power Supplies, 6 Fans	Redundant PSUs and fan trays (model-specific)	Redundant PSUs and fan modules (model-specific)
Switching Performance	Up to 6.4 Tbps, 2,000 Mpps architecture	Comparable multi-terabit core/aggregation performance	High-performance campus/data center switching
Primary Role	Campus core / aggregation and data center ToR/EoR	Data center spine/leaf and high-density aggregation	Campus core, aggregation, and advanced access
Fabric and Routing	Advanced L2/L3, BGP, OSPF, VRF-Lite, IPv6, VXLAN/EVPN	Advanced L2/L3 with EVPN-VXLAN support	Rich L2/L3, VXLAN, and automation features
Ideal Scenario	Enterprises needing dense 25G access with 100G uplinks	Environments requiring concentrated 40/100G core bandwidth	Networks standardizing on Aruba CX with mixed-speed edge and core

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - 2x AC Power Supplies (pre-installed) - 6x Fan Modules (front-to-back airflow) - Rack Mount Kit and Console Cable
Optional Accessories	<ul style="list-style-type: none"> - 25G SFP28 Transceivers - 100G QSFP+/QSFP28 Transceivers and Breakout Cables - Additional Aruba CX Licenses and Support Services



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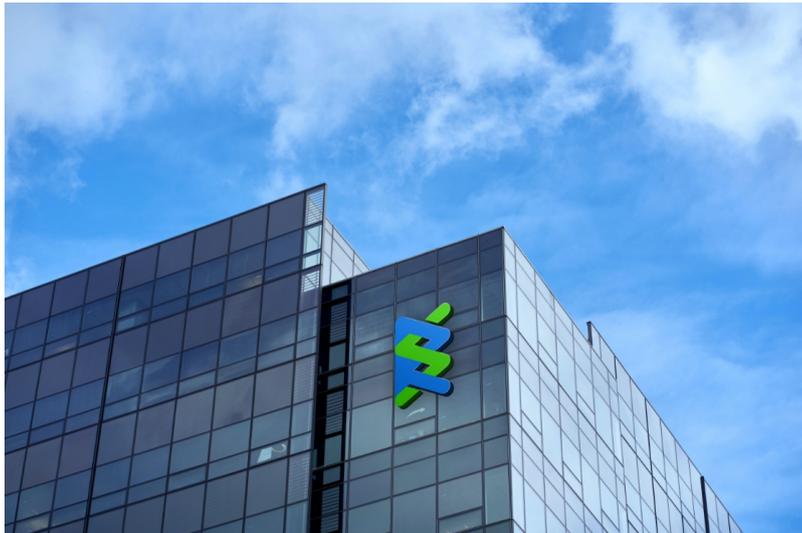


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References

[1] Hewlett Packard Enterprise. (2023). Aruba 8325-48Y8C JL624A Switch Datasheet. Retrieved from <https://www.hpe.com/psnow/doc/a00059009enw>