

# Aruba JL627A

## Datasheet



## Product Overview

- Aruba CX 8325 Series switches deliver next-generation core, aggregation, and data center connectivity for demanding enterprise networks.
- Ideal for campus cores, aggregation layers, and top-of-rack or end-of-row in modern data centers supporting cloud and IoT workloads.
- They offer over 6.4 Tbps capacity with line-rate 1/10/25/40/100G Ethernet, ensuring low latency and non-blocking performance for critical traffic.
- The CX 8325 platform adds EVPN-VXLAN, advanced QoS, and scalable Layer 2/3 services to build segmented, multi-tenant campus and data center fabrics.
- Based on Aruba CX OS, a database-driven NOS, it supports automation, REST APIs, Python, and built-in analytics for simplified operations.
- Enterprises gain a high-performance, resilient switching foundation that supports growth, deep segmentation, and fast troubleshooting across sites.

## Product Highlights

- **High-Performance Switching Fabric:** Delivers up to 6.4 Tbps bidirectional switching and 2,000 Mpps forwarding at line rate to handle dense 1/10/25/40/100G environments.
- **Resilient Architecture and Hardware:** VSX virtualization, redundant hot-swappable power supplies and N+1 fan trays enhance uptime in campus and data center cores.
- **Advanced L2/L3 and VXLAN Fabric:** Supports BGP, OSPF, VRF-Lite, IPv6, and dynamic VXLAN with BGP-EVPN for scalable, segmented Layer 2/3 overlays.
- **Operations and Analytics Automation:** Aruba CX OS, NetEdit, and Network Analytics Engine provide API-driven automation, validation, and deep network visibility.

## Detailed Features



JL627A

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Component	Specification
Product Code	JL627A
Product Name	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle
Ports	32 × 100G QSFP+/QSFP28
Cooling and Airflow	Back-to-Front airflow with 6 fan modules
Power	2 × hot-swappable power supplies



### High-Capacity Distributed Architecture

The CX 8325 platform uses a fully distributed, high-speed switching architecture designed for wire-speed performance across all ports. The CX 8325-32C delivers 6.4 Tbps of bidirectional switching and 2,000 Mpps forwarding, ensuring consistent throughput for large eastwest and northsouth traffic flows in data center and campus cores without performance bottlenecks.

### Flexible Multi-Speed Connectivity

CX 8325 switches provide 1/10/25GbE SFP/SFP+/SFP28 and 40/100GbE QSFP+/QSFP28 interfaces in a compact 1U form factor. This allows smooth migration from 1/10GbE to 25GbE and from 10/40GbE to 100GbE, while supporting breakout options for higher port density. Networks can be upgraded in phases without disruptive chassis replacements.

### Advanced Telemetry and Automation

Built-in telemetry and automation capabilities simplify operations across campus and data center domains. Python agents, CLI-based agents, and REST APIs enable custom workflows for monitoring, configuration, and remediation. Operators can quickly identify and troubleshoot network, system, application, and security issues using real-time streaming data and programmable tools.

### Rich Layer 2/3 Services and Overlay Support

CX 8325 supports an extensive Layer 2/3 feature set, including BGP, OSPF, VRF-Lite, and full IPv6 support, enabling use as a routed core or aggregation platform. Dynamic VXLAN combined with BGP-EVPN provides scalable Layer 2 extension and deep segmentation, supporting multi-tenant environments, microsegmentation, and modern data center fabric designs.

### Optimized for Storage and HCI Fabrics

The platform is validated for Ethernet Storage Fabric solutions with HPE Storage and hyperconverged infrastructure. High bandwidth, low latency, and DCBx features make the CX 8325 suitable for iSCSI, NFS, and other IP storage traffic. This ensures predictable performance for converged compute and storage networks while simplifying fabric design for HCI deployments.

### Carrier-Grade Timing with CX 8325P

The CX 8325P variant adds precise timing features for telco and large public venue deployments. It supports PTP (1588v2) with Boundary Clock, SMPTE, Telco profiles G.8275.1 and G.8275.2 with Class C performance, SyncE (G.8262.1), and GNSS input. These capabilities enable accurate synchronization for 5G RAN and edge computing scenarios and prepare for future Grand Master Clock roles.

### Scalable High-Density Port Options

Multiple models, including CX 8325-32C, CX 8325-48Y8C, CX 8325P-32C, and CX 8325H variants, offer flexible high-density 1/10/25/40/100G interfaces. Half-width, single RU CX 8325H models support any mix of 1/10/25G on access ports and allow 100G interfaces to break out to 4x25G. This design supports diverse topologies while maximizing rack space efficiency.

### Operational Simplicity and Investment Protection

Aruba CX OS, Network Analytics Engine, and NetEdit provide automated configuration, compliance checking, and continuous health monitoring. NEBS certification, N+1 fans with front-to-back or back-to-front airflow, and redundant AC/DC power options support different site standards. Combined with scalable performance and interface flexibility, the CX 8325 protects long-term investments in both campus and data center environments.

## Technical Specifications

### Product Specifications

Feature	Value
Product Code	JL627A
Product Name	Aruba 8325-32C 32-port 100G QSFP+/QSFP28 Back-to-Front 6 Fans and 2 Power Supply Bundle
Category	Network Switch
Brand	Aruba
Ports	32x 100G QSFP+/QSFP28
Airflow	Back-to-Front



Feature	Value
Fan Modules	6 Fans
Power Supplies	2 Power Supplies

## Product Comparison

Feature	JL627A	JL703A	JL665A
Product Type	Aruba CX 8325-32C 100G data center/campus core switch	Aruba CX 8325 Series switch variant	Aruba CX 8360 Series aggregation/access switch
Fixed Ports	32 × 100G QSFP+/QSFP28	High-density 25/100G (model dependent)	Mix of 1/10/25G SFP/SFP+ and 40/100G QSFP
Switching Capacity	6.4 Tbps bidirectional	Up to 6.4 Tbps (model dependent)	Lower than JL627A, optimized for aggregation
Deployment Role	Core/aggregation in campus or ToR/EoR in data center	Core/aggregation with flexible uplink options	Campus aggregation or high-performance access
Redundancy	VSX support, 2 PSUs, 6 hot-swappable fans	VSX and redundant power/fans (model dependent)	Redundant power and fans, advanced HA features
Overlay and Routing	Advanced L2/L3, BGP, OSPF, VRF-Lite, IPv6, VXLAN EVPN	Comparable Aruba CX L2/L3 and VXLAN capabilities	Rich L2/L3, VXLAN support, but fewer 100G ports
Form Factor	1U fixed switch, back-to-front airflow bundle	1U fixed switches with airflow options	1U fixed switch, typically front-to-back airflow

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- 2 × AC power supplies (pre-installed)</li> <li>- 6 × hot-swappable fan modules</li> <li>- Rack mounting kit and installation guide</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>- QSFP+/QSFP28 40/100G transceivers and DAC/AOC cables</li> <li>- SFP/SFP28 optics for breakout configurations</li> <li>- Redundant management and console cables</li> </ul>



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## References

[1] Hewlett Packard Enterprise Aruba Networking. (2023). HPE Aruba Networking CX 8325 Switch Series Datasheet (JL627A and related models). Retrieved from <https://www.hpe.com/psnow/doc/a00059009enw>