

Aruba JL073A

Datasheet

Product Overview

- The Aruba JL073A is a fully managed Layer 3 Gigabit PoE+ access switch designed for modern enterprise edge, SMB, and branch deployments.
- Ideal for office wiring closets, hospitality, education, and retail, it powers IP phones, APs, and cameras while keeping access switching simple.
- With 24 x 10/100/1000 PoE+ ports, 2 x 10GbE SFP+ uplinks, 176 Gbps switching capacity, and 130.95 Mpps forwarding, it delivers fast, predictable performance.
- Advanced Layer 3 routing, rich QoS, and security features help segment traffic, prioritize key applications, and protect user and IoT devices.
- Centralized, fully managed operation simplifies rollout and lifecycle management for distributed networks across sites and floors.
- For distributors, integrators, and end users, the JL073A offers a reliable, scalable PoE solution that fits growing enterprise and campus access needs.

Product Highlights

- **High-Performance L3 Switching:** 176 Gbps switching capacity and 130.95 Mpps forwarding ensure wirespeed Gigabit access with low latency, suitable for busy office floors, classrooms, and hospitality networks.
- **Flexible Gigabit PoE+ Access:** 24 x 10/100/1000 PoE+ ports provide data and power for APs, IP phones, and cameras over a single cable, simplifying cabling and reducing deployment costs.
- **10GbE Fiber Uplinks:** 2 x 10GbE SFP+ uplink ports allow highbandwidth aggregation to core or distribution switches, supporting future traffic growth and highspeed backbone connections.
- **Enterprise-Grade Management:** As a fully managed Layer 3 switch, JL073A supports advanced VLAN, routing, security, and monitoring features, enabling precise control and easy integration into existing networks.

Detailed Features



JL073A

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Component	Specification
Ports	24 x 10/100/1000 PoE+ access ports
Uplinks	2 x 10GbE SFP+ fiber uplink ports
Switching Capacity	176 Gbps non-blocking
Forwarding Rate	130.95 Mpps
Layer & Management	Layer 3, fully managed switch

Robust L3 Enterprise Switching

The Aruba JL073A delivers full Layer 3 capabilities in an access switch form factor, supporting advanced routing for segmented enterprise networks. Static routing and dynamic features available in the Aruba portfolio allow traffic to be steered efficiently between VLANs and distribution layers. This reduces load on core devices and improves overall network responsiveness, especially in multi-tenant or departmental environments where policy-based segmentation is critical.

Full PoE+ Power for Edge Devices

With 24 PoE+ Gigabit ports, the JL073A can power a wide range of edge devices including WiFi access points, IP phones, surveillance cameras, and IoT endpoints. PoE+ simplifies installation by removing the need for separate power outlets near endpoints, which is especially valuable in retrofit projects. Centralized power also makes it easier to control, monitor, and restart devices remotely, improving uptime and reducing on-site visits.

High-Bandwidth 10GbE Uplinks

Two 10GbE SFP+ uplink ports allow the JL073A to connect to aggregation or core switches with ample bandwidth headroom. This is important in scenarios with dense AP deployments, surveillance video traffic, or heavy client usage. The 10GbE uplinks help avoid bottlenecks that can occur when many Gigabit edge ports converge, maintaining consistent user experience even as the number of connected devices increases.

Optimized Hardware Performance

The switch provides a 176 Gbps switching fabric and 130.95 Mpps forwarding rate, enabling line-rate forwarding on all ports for typical enterprise traffic patterns. This performance level supports concurrent data, voice, and video services without compromising quality. The platform is designed to handle jumbo frames up to 9216 bytes, enhancing throughput for storage, backup, and other high-volume applications within the LAN.

Scalable MAC and VLAN Handling

With a 16K MAC address table, the JL073A can support a significant number of connected endpoints, suitable for medium campuses, multi-floor offices, or hospitality deployments. This capacity helps maintain stable forwarding entries as devices join and leave the network. Combined with VLAN segmentation, integrators can design clear, structured topologies that remain manageable as the network grows.

Energy-Efficient PoE Operation

PoE support on all access ports allows flexible power allocation across a wide range of devices. Intelligent power management features in Aruba solutions help optimize energy use by allocating only the required wattage per port, and by allowing scheduled or policy-based control. This reduces operational costs over time and supports greener IT initiatives, while still guaranteeing reliable power for critical endpoints.

Operational Simplicity and Visibility

As a fully managed switch, the JL073A supports centralized configuration, monitoring, and troubleshooting through Aruba management platforms and standard protocols. Network teams can use CLI, web interfaces, or automated tools to apply templates, push firmware, and collect logs. This reduces manual effort, shortens deployment windows, and makes it easier for partners and MSPs to manage multiple customer sites consistently.

Compact Design for Edge Closets

With dimensions of 44.25 x 35.5 x 4.39 cm and an operating temperature range of 0°C to 45°C, the JL073A is suitable for standard racks and wiring closets in office or campus buildings. Its size and thermal profile allow dense stacking in limited spaces while maintaining stability. This makes it a practical choice for distributed edge locations where space, cooling, and power are constrained, yet enterprise-grade performance is required.

Technical Specifications

Product Specifications

Feature	Value
Product Type	Switch
Switching Capacity	176 Gbps
Forwarding Rate	130.95 Mpps
Ports	24 x 10/100/1000 PoE+
Uplinks	2 x 10GbE SFP+



Feature	Value
Management	Fully Managed
Layer	Layer 3
MAC Address Table Size	16K
Jumbo Frames	9216 bytes
Power Over Ethernet (PoE)	Yes
Dimensions (WxDxH)	44.25 x 35.5 x 4.39 cm
Operating Temperature	0°C to 45°C

Product Comparison

Feature	JL073A	C9300-24UXB-A=	C9200L-24PXG-4X-E
Product Type	Access Layer 3 PoE+ Switch	Access/Distribution Multigigabit Switch	Access Layer 3 PoE+ Switch
Fixed Ports	24 x 10/100/1000 PoE+	24 x mGig (1/2.5/5/10G) PoE+	24 x 10/100/1000 PoE+
Uplink Ports	2 x 10GbE SFP+	Network modules up to 40G	4 x 10GbE SFP+
Switching Capacity	176 Gbps	Higher, designed for high-density mGig	Approx. higher than entry L3 models
Forwarding Rate	130.95 Mpps	Significantly higher for large campuses	Higher than basic access switches
PoE Capability	PoE+ on all 24 ports	Enhanced PoE+ with higher power budget	Full PoE+ on 24 ports
Stacking Support	Not primary focus	Advanced StackWise stacking	Stacking supported on series
Ideal Deployment	SMB/branch, simple enterprise edge	High-density enterprise, Wi-Fi 6E core access	Mid-size enterprise access with 10G uplink

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - AC Power Cord - Rack Mount Kit (brackets and screws) - Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none"> - SFP/SFP+ Transceiver Modules - Additional Rack Cable Management Kit - External Console Cable (USB-to-serial, as needed)



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[2] Hewlett Packard Enterprise. (n.d.). Aruba 2540 Series Switches Datasheet (including JL073A). Retrieved from <https://www.hpe.com/psnow/doc/a00135896enw>