

Aruba Central Managed 2540 24G PoE+ 4SFP+ Switch (JL356ACM)



What's new

- Aruba Layer 2 switch series optimized for mobile users that is easy to deploy and manage with Aruba ClearPass Policy Manager and Aruba AirWave.
- Supports cloud-based management with Aruba Central.
- Convenient built-in 10GbE uplinks.
- Up to 370 W PoE+ for powering APs, cameras and IoT devices.
- Simple deployment with Zero Touch Provisioning.

Overview

Designed for the digital workplace, the Aruba 2540 Switch Series is optimized for mobile users. With advanced security and network management tools — Aruba ClearPass Policy Manager and Aruba AirWave — this Layer 2 access switch is easy to deploy and manage. With support from cloud-based Aruba Central, you can quickly set up remote branch sites with little or no IT support. The 2540 delivers entry level features for the enterprise campus, SMB and branch offices. It provides built-in 10GbE uplinks, robust QoS, static and RIP routing, IPv6, PoE+ models and requires no software licensing.

Features

Simplify with Cloud Manageable Access Layer Switches

The Aruba 2540 Switch Series delivers entry level access switch features for the enterprise campus, SMB and branch offices. It is simple to deploy and manage with Aruba AirWave, Aruba ClearPass Policy Manager and cloud-based Aruba Central.

Provides optimal configuration automatically when connected to Aruba access points for PoE priority, VLAN configuration, and rogue AP containment.

Zero Touch Provisioning provides quick and painless deployment at locations with few or no technical resources.

Convenient built-in wire speed 10GbE uplinks and PoE+ models deliver outstanding network access performance.

Robust Layer 2 features include static and RIP routing, ACLs, sFlow, IPv6 with no software licensing required.

Performance and Power at the Edge

The Aruba 2540 Switch Series is designed with a powerful Aruba ProVision ASIC with low latency, increased packet buffering, and adaptive power consumption.

Increase performance with selectable queue configurations and associated memory buffering that meets your specific network application requirements.

Supports up to 370 W of internal PoE+ power across all access ports for wireless APs, cameras and IoT devices.

Built-in 10GbE uplinks reduce congestion to aggregation/core switches.

Security and Quality of Service (QoS) You Can Rely on

The Aruba 2540 Switch Series includes security and quality of services features to build a network that meets ever-changing corporate policies and compliance requirements while protecting your data from both inside and outside threats.

Flexible authentication options include standards-based security protocols such as 802.1X, MAC and Web Authentication, to enhance security and policy-driven application authentication.

Powerful multilevel-access security controls include source-port filtering, RADIUS/TACACS+, SSL, Port Security, and MAC address lockout.

Simplify with Integrated Wired/Wireless Management

The Aruba 2540 Switch Series supports Aruba ClearPass Policy Manager for unified and consistent policy management between wired and wireless users and simplifies implementation and management of guest login, user onboarding, network access, security, QoS, and other network policies.

Supports Aruba AirWave and Aruba Central to provide a common platform for Zero Touch Provisioning management, and monitoring for wired and wireless networks.

Built-in programmable and easy to use REST API interface provides configuration automation for Mobile-first campus networks.

RMON and sFlow provide advanced monitoring and reporting capabilities for statistics, history, alarms and events.

Supports both cloud-based Central and on-premise AirWave with the same hardware ensuring change of management platform without ripping and replacing switching infrastructure.

Technical specifications

Aruba Central Managed 2540 24G PoE+ 4SFP+ Switch

Product Number	JL356ACM
Differentiator	28-port lite Layer 3 PoE+ fully managed, cloud-capable Gigabit access. This model has 24x 10/100/1000 Gigabit ports and four 10 Gigabit SFP+ ports for high speed connectivity. Additionally, this switch can power PoE devices with a power budget of 370 Watts. For Aruba Central-managed deployment.
Ports	(24) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ 1/10GbE ports PHY-less
Memory and processor	Dual Core ARM Coretex A9 @ 1016 MHz 1 GB DDR3 SDRAM Packet buffer size: 12.38 MB 4.5MB Ingress/7.785 Egress 4 GB eMMC
Latency	1000 Mb Latency: < 3.8 μ s 10 Gbps Latency: < 1.6 μ s
Throughput	up to 95.2 Mpps
Switching capacity	128 Gbps
PoE capability	370 W PoE+
Management features	Aruba AirWave Network Management IMC - Intelligent Management Center Command-line interface Web browser Configuration menu SNMP manager Telnet RMON1 FTP Out-of-band management (serial RS-232C or micro USB)
Input voltage	100 - 127 / 200 - 240 VAC, rated
Operating humidity range	15 to 95% @ 104°F (40°C) (noncondensing)
Power consumption	445 W (maximum)
Heat dissipation	1518 BTU/hr (1601.49 kJ/hr)
Product dimensions (metric)	44.25 x 30.42 x 4.39 cm
Weight	3.9 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.

[Find a partner](#)



Chat now (sales)



Call now



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](#).

© Copyright 2024 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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.

Image may differ from the actual product
[PSN1012207738IDEN](#), February, 2024.