

# ARUBA 2540 48G POE+ 4SFP+ SWITCH (JL357A)

## Fixed Port L2 Managed Ethernet Switches



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### 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 2540 48G PoE+ 4SFP+ Switch

|                                    |   |
|------------------------------------|---|
| <b>Product Number (SKU)</b>        | JL357A  |
| <b>Differentiator</b>              | High density 52-port lite Layer 3 PoE+ fully managed, cloud-capable Gigabit access. This model has 48x 10/100/1000 Gigabit PoE+ 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. |
| <b>Ports</b>                       | (48) RJ-45 autosensing 10/100/1000 PoE+ ports<br>(4) SFP+ 1/10GbE ports<br>PHY-less   |
| <b>Memory and processor</b>        | Dual Core ARM Coretex A9 @ 1016 MHz<br>1 GB DDR3 SDRAM<br>Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress<br>4 GB eMMC  |
| <b>Latency</b>                     | 1000 Mb Latency: < 3.8 $\mu$ s<br>10 Gbps Latency: < 1.6 $\mu$ s  |
| <b>Throughput</b>                  | up to 112 Mpps  |
| <b>Switching capacity</b>          | 176 Gbps  |
| <b>PoE capability</b>              | 370 W PoE+  |
| <b>Management features</b>         | Aruba AirWave Network Management<br>IMC - Intelligent Management Center<br>Command-line interface<br>Web browser<br>Configuration menu<br>SNMP manager<br>Telnet<br>RMON1<br>FTP<br>Out-of-band management (serial RS-232C or micro USB)  |
| <b>Input voltage</b>               | 100 - 127 / 200 - 240 VAC, rated  |
| <b>Operating humidity range</b>    | 15 to 95% @ 104°F (40°C) (noncondensing)  |
| <b>Power Consumption</b>           | 459 W (maximum)   |
| <b>Heat dissipation</b>            | 1566 BTU/hr (1652.13 kJ/hr)   |
| <b>Product Dimensions (metric)</b> | 44.25 x 30.42 x 4.39 cm   |
| <b>Weight</b>                      | 4.46 kg   |

For additional technical information, available models and options, please reference the [QuickSpecs](#)

## ARUBA GLOBAL SERVICES

Aruba Global Services simplifies and accelerates 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 Aruba Global Services has to offer at: [arubanetworks.com/services/](http://arubanetworks.com/services/)



### Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

### Professional Services from Aruba

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 Aruba technology.

**QuickStart Services** include:

- Planning, audit and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

**Proactive Engineering Services** include:

- Intelligent Operations
- Customer Experience Management
- Network optimization

Our **Education Services** allow your team to come up to speed quickly.

### Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba [here](#).

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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.

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