![Aruba, a Hewlett Packard Enterprise company logo]

# ARUBA 2930M SWITCH SERIES

## Fixed Port L3 Managed Ethernet Switches



## OVERVIEW

The Aruba 2930M Switch Series is designed for digital workplaces optimized for mobile users. These powerful Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central. Modular stacking, uplinks and power provide scalability and simplicity for enterprise edge, SMB and branch office networks. The 2930M delivers performance and value with support for static, RIP and Access OSPF routing, 10GbE and 40GbE uplinks, models with 24 ports of HPE Smart Rate multi-gigabit Ethernet, up to 1440W of PoE, robust QoS, and Dynamic Segmentation for unified and secure access.

## WHAT'S NEW

- Aruba Layer 3 switch series that is easy to deploy and manage with Aruba ClearPass Policy Manager and on-premise with Aruba Airwave.
- Simplify with Zero Touch Provisioning and cloud-based Aruba Central support.
- Scale with modular 10 chassis stacking and up to 1440W PoE.
- Modular 10GbE and 40GbE uplinks and HPE Smart Rate multi-gigabit support.
- Models with 24 ports of HPE Smart Rate with IEEE 802.3bz.
- High Power PoE models deliver up to 60W of PoE per port.

## FEATURES

### High-Performance Layer 3 Access Switches

The Aruba 2930M Switch Series provides performance, security, and ease of use for enterprise edge, SMB, and branch office networks.

Optimized for the digital workplace with unified management tools

such as Aruba ClearPass Policy Manager, Aruba Airwave and Aruba Central. Provides optimal configuration automatically when connected to Aruba access points for PoE priority, VLAN configuration, and rogue AP containment.

Pay as you grow modular stacking (10 chassis) and modular 10GbE (SFP+) and 40GbE (QSFP+) uplinks. HPE Smart Rate multi-gigabit Ethernet models support high speed APs over existing cabling and upgradeable power supplies allow your network to quickly scale when more PoE is needed.

Robust Layer 3 feature set includes Access OSPF, static and RIP routing, ACLs, Dynamic Segmentation, sFlow, IPv6 with no software licensing required.

Designed with a power ProVision ASIC, the 2930M supports multiple programmatic interfaces, including REST APIs and Openflow 1.0 and 1.3, to enable automation of network operations, monitoring, and troubleshooting.

### Performance and Power at the Edge

The Aruba 2930M Switch Series is designed with a powerful Aruba ProVision ASIC, to enable the mobile campus 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.

Plug and play with up to 10 chassis stacking allowing automated failover enhances network resiliency and RPS support delivers power redundancy.

Supports hot swappable and redundant PoE power for wireless access points, cameras and phones and can easily scale to 1440W with choice of power supplies. High power PoE models deliver up to 60W of PoE per port.

### Security and Quality of Service You Can Rely On

The Aruba 2930M Switch Series includes security and quality of services (QoS) features to build a network that meets ever-changing corporate policies and compliances while protecting your data from both inside and outside attacks.

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.

Dynamic Segmentation provides user and port-based traffic tunneling to an Aruba Mobility Controller or Branch Gateway so that policies can be applied, advanced services can be extended to users and IoT devices, and traffic can be encrypted to protect the network.

### Simplify with Integrated Wired/Wireless Management

The Aruba 2930M Switch Series supports Aruba ClearPass Policy Manager for unified and consistent policy between wired and wireless users and simplifies implementation and management of guest login, user onboarding, network access, security, QoS, and other network policies.

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Aruba Airwave Network Management software provides an on-premise network management platform for wired and wireless network devices. Cloud-based management with Zero Touch Provisioning supported by Aruba Central.

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

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

Out-of-band Ethernet management port keeps management traffic segmented from your network data traffic.

## Technical specifications    Aruba 2930M Switch Series

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|---|---|
| **Differentiator** | The Aruba 2930M Switch Series is designed for customers creating digital workplaces that are optimized for mobile users with an integrated wired and wireless approach. These Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Auba Airwave. With support from cloud based Aruba Central, you can quitkly set up report offices with litle or no IT support. |
| **Ports** | (20 or 44) 10/100/1000 ports, (4) Dual Personality 10/100/1000 or 100/1000 Mbps SFP Ports. PoE+ on selected models, (1) uplink module slot, (1) stacking module |
| **Memory and processor** | Dual Core ARM Coretex A9 @ 1016 MHz<br>1 GB DDR3 SDRAM<br>Packet buffer size: 12.38 MB and 4.5MB Ingress, 7.785 Egress<br>4 GB eMMC |
| **Latency** | 1000 Mb Latency: < 3.1 µs<br>10 Gbps Latency: < 3.4 µs |
| **Throughput** | 112 Mpps maximum, depending on model and configuration |
| **Switching capacity** | 320 Gbps maximum, depending on model and configuration |
| **PoE capability** | Up to 1440 Watts of PoE Power |
| **Management features** | Aruba AirWave Network Management<br>Aruba Central<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) |
| **Input voltage** | 110-240 VAC, depending on power supply |
| **Operating humidity range** | 15 to 95% @ 104°F (40°C) (noncondensing up to 10000 ft) |
| **Power Consumption** | 860 W (maximum), depending on model and configuration |
| **Heat dissipation** | 200 BTU/hr 216 kJ/hr (maximum), depending on model and configuration |

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## 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/

## 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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