ARUBA 6405 96-PORT 1GBE CLASS POE 4 AND 4-PORT SFP56 SWITCH (R0X29A)

Fixed Port L3 Managed Ethernet Switches

WHAT'S NEW

- High performance modular Layer 3 switches with BGP, EVPN, VXLAN, VRF, and OSPF with robust security and QoS, and delivers up to 28 Tbps in non-blockling bandwidth.
- High availability with industry-leading VSX and redundant power supplies and fans.

OVERVIEW

The Aruba CX 6400 Switch Series is a modern, flexible, and intelligent family of AOS-CX modular switches ideal for enterprise campus and data center deployments. With a cloud-centric design that combines a fully programmable OS with the Aruba Network Analytics Engine, the Aruba CX 6400 extends industry-leading monitoring and troubleshooting capabilities across the network.

- Full density HPE Smart Rate (1/2.5/5GbE) multi-gigabit, 60W PoE, and SFP+ modules.
- High speed, non-blocking 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, and 100GbE with intelligent monitoring, visibility and remediation with Aruba Network Analytics Engine.
- Aruba NetEdit support for automation, configuration and verification, and one touch deployment with the Aruba CX Mobile App.
- Aruba Dynamic Segmentation enables enhanced security and simple access for users and IoT.

Powerful Aruba Gen7 ASIC architecture delivers fast, non-blocking performance, meaning your network is ready for tomorrow's unpredictable demands. Aruba Virtual Switching Extension (VSX) brings high availability and enables non-disruptive fast upgrades with simplified management. Support of Aruba NetEdit and the Aruba CX Mobile App verify configurations are flawless and easy to deploy. This series offers 5 and 10 slot compact chassis with a choice of line rate interfaces including 25GbE, 100GbE, and full density 60W PoE with HPE Smart Rate multi-gigabit Ethernet ideal for access, aggregation, and core deployments.

FEATURES

Automation and Analytics

The Aruba CX 6400 Switch Series delivers unparalleled visibility with built-in analytics for real-time monitoring and troubleshooting to help fix problems faster. The Aruba Network Analytics Engine (NAE) automatically interrogates and analyzes events that can impact network health.

Advanced telemetry and automation provide the ability to easily identify and troubleshoot network, system, application, and security related issues easily, through the use of Python agents and REST APIs.

The Time Series Database (TSDB) stores configuration and operational state data, making it available to quickly resolve network issues.

High Availability and Performance

The Aruba CX 6400 Switch Series uses a fully distributed architecture with Aruba Gen7 ASICs that deliver very low latency, increased packet buffering, and adaptive power consumption. All switching and routing are wire-speed to meet the demands of bandwidth-intensive applications.

Features high speed, non-blocking 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, and 100GbE for scalable connnectivity.

The ability of AOS-CX to maintain synchronous state across dual control planes allows a simplified carrier-class high-availability solution called Aruba Virtual Switching Extension (VSX) that enables a distributed architecture which is available during upgrades or control plane events.

High performance and versatile platform supports non-blocking 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, and 100GbE connections, and high density connectivity for aggregation with up to 480 ports of HPE Smart Rate multi-gigabit (1/2.5/5GbE) with 60W PoE for a total of 28,880W of PoE.

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Smarter Segmentation

The Aruba CX 6400 Switch Series supports Aruba Dynamic Segmentation that automatically applies and enforces user, device, and application-aware policies on Aruba wired and wireless infrastructures.

Automated device profiling, role-based access control, and Layer 7 firewall features deliver enhanced visibility and performance for a better overall experience for both IT and end-users alike.

Switch-to-switch tunnels enable scalable multi-tenancy support with VXLAN to VRF mapping, while allowing policy application via user roles.

Technical specifications

Aruba 6405 96-port 1GbE Class PoE 4 and 4-port SFP56 Switch

Product Number (SKU)	R0X29A
Ports	(96) 10/100/1000BASE-T PoE+ ports supporting up to 30W per port, (4) 1/10/25/50G SFP ports
Memory and processor	Management module: Quad Core ARM Cortex™ A72 @ 1.8GHz, 16GB DDR4 ECC memory, 32GB eMMC Flash memory Line card: Dual Core ARM Cortex™ A72 @ 1.8GHz, 4GB DDR4 memory Line card: 8MB shared packet buffer memory(R0X38A, R0X39A, R0X40A, R0X41A, R0X42A, R0X43A), 32MB shared packet buffer memory (R0X44A, R0X45A)
Throughput	10 Bpps
Switching capacity	14 Tbps
PoE capability	IEEE 802.3af, 802.3at, up to 30W per port (as configured)
Management features	Aruba AirWave Aruba Central Network Management Aruba NetEdit Aruba CX Mobile App Command-line interface SNMP v2c/v3 RMON
Input voltage	110-127 / 200-240 VAC (power supplies sold separately)
Product Dimensions (metric)	30.66 x 44.26 x 44.85 cm
Weight	34.1 kg (as configured)

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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.
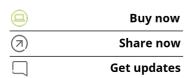
Aruba Network as-a-Service (NaaS)

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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