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Enterprise company

Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch (JL675A)

What's new

- Simplify IT operations with next-gen Layer 2 switch series that provides entry level, reliable, and convenient wired access connectivity.
- Right size with 12, 24, and 48 port 1U models with convenient built-in 1/10 GbE uplinks and up to 740W of Class 4 PoE.
- Silent deployment with compact and fanless 12 port PoE model.
- Flexibility to manage and simplify configurations with Aruba Central, Aruba NetEdit, easy to use Web GUI, or industry standard CLI.
- Software defined ready with REST APIs.
- Layer 2 feature set with static routing and switch software embedded with no

Overview

The Aruba CX 6100 Switch Series is a modern family of entry level access switches ideal for branch offices, mid-market enterprise, and SMB networks. Designed for reliable, simple, and secure access, the Aruba CX 6100 switches provide a convenient wired access solution for enterprise networks supporting IoT, mobile, and cloud applications.

Prepare your network for tomorrow's unpredictable demands with a powerful Aruba ASIC architecture and programmable AOS-CX operating system used across the Aruba CX portfolio to deliver a more consistent, more efficient operator experience. This layer 2 switch series has convenient built-in high speed uplinks with up to 740W of IEEE 802.3at Class 4 PoE to support IoT devices such as security cameras and wireless APs. A

subscription required to enable.

compact and fanless 12 port model is ideal for use in quiet work spaces. With robust QoS, support for static routing, and IPv6, the Aruba CX 6100 also simplifies ownership with no switch software licensing requirements.

Features

Entry Level Aruba CX Access Layer Switches

The Aruba CX 6100 Switch Series offers gigabit connectivity with high speed uplinks and optional PoE to provide entry level, reliable, and convenient wired access connectivity for enterprise branch office and SMB networks.

Using Aruba AOS-CX operating system across Aruba CX switching platforms and deployment domains provides a simpler, more consistent operator experience.

Fully-managed enterprise class switches deliver Layer 2 capabilities with support static routing, ACLs, robust QoS, traffic prioritization, sFlow, and IPv6 support.

Right size deployment with choice of 12, 24, and 48 port 1U models with convenient built-in 1/10 GbE uplinks and up to 740W of Class 4 PoE.

Simplifies ownership with no switch software licensing or subscriptions required.

Performance and Power

The Aruba CX 6100 Switch Series is designed with Aruba ASICs that deliver very low latency, increased packet buffering, and adaptive power consumption.

Deploy wireless access points and IoT devices with Aruba CX 6100 switch models that support up to740W IEEE 802.3at Class 4 Power over Ethernet for up to 30W per port.

Four built-in wire speed 1/10GbE uplinks eliminate bottlenecks at the access layer where users and devices connect.

Simplified Configuration and Management

The Aruba CX 6100 Switch Series provides flexibility to manage and simplify configurations with Aruba Central, Aruba NetEdit, easy to use Web GUI, or industry standard CLI.

Aruba NetEdit introduces automation that allows for rapid network-wide changes and verifies policy conformance post network updates.

Manage via single pane of glass with Aruba Central across wired, wireless, and WAN.

Reduce manual IT operation tasks around initial deployment or on-going configuration changes to accommodate adds, moves, and changes with colorless ports using local user roles and local-MAC-Authentication (LMA).

Software-defined ready with REST APIs for fine-grained programmability of network tasks.

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Technical specifications

Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch

Product Number	JL675A
Differentiator	The Aruba CX 6100 Switch Series delivers entry level, reliable, and convenient Layer 2 wired access connectivity ideal for branch offices, mid-market enterprise, and SMBs. This model has 48x 10/100/1000BASE-T and 4x 1G/10G SFP ports. 370W Class 4 PoE/PoE+ power.
Ports	48x ports 10/100/1000BASE-T ports 4x 1G/10G SFP ports
Memory and processor	Dual Core ARM Cortex A9 @ 1016 Mhz 4 GB DDR3, maximum, depending on model 16 GB eMMC
Latency	1 Gbps: 1.9 µSec , 10 Gbps: 1.8 µSec
Throughput	98.6 Mpps
Switching capacity	176 Gbps
PoE capability	370W Class 4 PoE/PoE+
Input voltage	100-127 VAC / 200-240 VAC
Power consumption	Max Power (w/o PoE): 45W Max Power (w/ PoE): 480W
Product dimensions (imperial)	1.73 x 17.4 x 12.0 in
Weight	11.07 lbs

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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
- Intelligent Operations
- Architecture review and design

Proactive Engineering Services include:

- Customer Experience Management
- Deployment, migration, and knowledge transfer
- 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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