ARUBA CX 4100I SWITCH SERIES

Ruggedized Ethernet switches extend Aruba ESP Unified Architecture to harsh environments

As enterprise networks extend beyond offices to warehouses, industrial spaces, and outdoor facilities, challenging environmental requirements demand ruggedized Ethernet connectivity solutions that are secure, high performance, and simple to manage and deploy.

Figure 1: Monitoring industrial facilities using wired Ethernet PoE surveillance cameras.

IoT, access points, and user devices are everywhere. According to a recent analyst report[1], demand for connected devices is expected to unleash over 40 billion IoT devices generating over 79 zettabytes (ZB) of data at the edge (or 79 trillion gigabytes). As these increasingly sophisticated devices get deployed in non-air-conditioned spaces, the network needs to support them - while maintaining network security safeguards, IT operational efficiencies, and performance delivered across the enterprise network.

As part of Aruba's Edge Services Platform (ESP), Aruba CX switches play a foundational role in the Unified Infrastructure. Automation, high availability, and secure segmentation are designed into CX switches with Aruba Central delivering a unified, single view of the network that maximizes operational efficiency across enterprise networks.

The Aruba CX 4100i Switch Series is a modern family of ruggedized Ethernet switches ideal for connecting IoT, access points, and user devices in harsh environments. Created for

KEY BENEFITS

- Enterprise-class Layer 2 switching with support for ACLs, robust QoS, IPv6, and static routing
- Ruggedized Ethernet connectivity with IP30 protection for operational temperature ranges -40C to 70C[2]
- Built-in high speed 1/10GbE uplinks and up to 360W of Class 4 and class 6 POE for support of access points and IoT devices
- 12 port DIN rail model offers flexible mounting and AC and DC power supplies to optimize POE power
- Simple and secure network access via automated policy enforcement with Aruba Dynamic Segmentation[4]
- Management flexibility with Aruba Central[3], easy-to-use Web GUI, CLI, and Aruba NetEdit
- Advanced configuration and programmability with AOS-CX and REST APIs

high performance, reliable, and secure access, the Aruba CX 4100i switches provide versatile deployment options for enterprise networks that extend beyond carpeted areas to challenging outdoor and industrial spaces.

ARUBA'S RUGGEDIZED SWITCHING SOLUTION

The Aruba CX 4100i Switch Series is based on the programmable AOS-CX operating system used across the Aruba CX portfolio for a more consistent, more efficient IT experience. This IP30 ruggedized series can operate at extended temperature ranges allowing for IoT connectivity outside offices and wiring closets. The CX 4100i series is easy to deploy with flexible management choices that include cloud-based and on-premise Aruba Central management, switch web GUI, and CLI, so you can choose the best fit for your business and network environment.

[1] The IDC Market Perspective - Jul 2020 Doc # AP45984120

[2] Temperature derated to 50C if non-industrial temperature transceivers are used.

[3] Aruba Central support planned for future release.

[4] User Based Tunneling (UBT) and Local User Roles (LUR) supported.

This Layer 2 access switch has convenient built-in high speed uplinks, supports both 30W and 60W PoE with up to a 360W power budget, and relies on passive cooling for the fan less 12 port DIN mount model and fan less 24 port 1U rack mount model. With enhanced access security, traffic prioritization, and IPv6 support, the Aruba CX 4100i also simplifies ownership and brings peace of mind with no switch software licensing requirements.
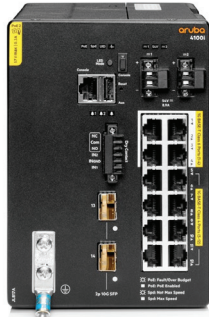
Aruba CX 4100i 12 port Gigabit DIN Rail Mount Switch

- 12 ports 10/100/1000 BASE-T
- 2 ports 100/1G/10G SFP+
- 4 ports of IEEE 802.3bt PoE (60W/port) and 8 ports of IEEE 802.3at PoE (30W/port)
- Fan-less and IP30
- Redundant external power supplies for up to 360W PoE power

Aruba CX 4100i 24 port Gigabit Rack Mount Switch

- 24 ports 10/100/1000 BASE-T
- 4 ports 100/1G/10G SFP+
- 4 ports of IEEE 802.3bt PoE (60W/port) and 20 ports of 802.3at PoE (30W/port)
- Fan-less and IP30
- Internal power supply supporting 240W PoE power with convenient front facing power outlet

WHY CHOOSE ARUBA CX SWITCHES?

The nature of business is changing—collaborative work environments, non-routine schedules, and a workforce that expects to work anytime, anywhere. As a result, organizations are adjusting their physical and technology designs to accommodate this change, and Aruba switches are optimized for this new digital workplace. Aruba switches deliver wireless integration, security, performance, and value through innovative technologies that form the wired network foundation for enterprises, SMBs and branch offices.

CUSTOMER FIRST CUSTOMER LAST SUPPORT

When your network is important to your business, then your business needs the backing of Aruba Support Services. Partner with Aruba product experts to increase your team productivity, keep pace with technology advances, software releases, and obtain break-fix support. Our Foundation Care for Aruba support services include priority access to Aruba Technical Assistance Center (TAC) engineers 24x7x365, flexible hardware and onsite support options, and total coverage for Aruba products. Aruba Pro Care adds fast access to senior Aruba TAC engineers, who are assigned as a single point of contact for case management, reducing the time spent addressing and resolving issues.

For more information on Aruba CX switches and the CX 4100i, please visit: https://www.arubanetworks.com/products/switches/access/

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a Hewlett Packard Enterprise company

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