

HPE Aruba Networking CX 4100i Switch Series



What's new

- Ruggedized Layer 2 switch series provides high performance, fully manageable, and reliable, Ethernet connectivity to IoT, access points, and user devices in harsh environments.
- Versatile form factors with fast 1/10 GbE uplinks deliver both 30W and 60W PoE to improve IoT power.
- Layer 2 feature set with static routing and no switch software licensing required.
- HPE Aruba Networking Dynamic Segmentation enables enhanced security and simplified access for users and IoT.
- Management flexibility with support for HPE Aruba Networking Central, easy-to-

Overview

The HPE Aruba Networking 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 high performance, reliable, and access with enhanced security, the CX 4100i switches provide versatile deployment options for enterprise networks extending beyond carpeted areas to challenging outdoor and industrial spaces.

Based on the programmable HPE Aruba Networking CX Switch Operating System (AOS-CX) used across the CX portfolio, this IP30 ruggedized series helps deliver a more consistent and efficient operator experience. This Layer 2 series has convenient built-in high speed uplinks, supports both 30W and 60W PoE, and is ready for deployment with fan less 12 port DIN mount and 24 port 1U rack mount models. With robust QoS, support for static routing, and IPv6, the CX 4100i also simplifies ownership with no switch software licensing requirements.

use Web GUI, CLI, and HPE Aruba
Networking Switch Multi-Edit Software.

Features

Ruggedized Access Switch Series

The HPE Aruba Networking CX 4100i Switch Series provides IP30 Ethernet connectivity with high speed uplinks, 30W and 60W PoE, to securely extend the enterprise network and support IoT in harsh environments.

Uses the HPE Aruba Networking CX Switch Operating System (AOS-CX) for a simpler, more consistent operator experience with capabilities fit for ruggedized access.

Achieve versatile deployment with fanless 12 port DIN rail mount and 24 port 1U rack mount models with built-in 1/10 GbE uplinks and up to 360W Class 4 and Class 6 PoE.

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

Simplifies ownership with no switch software licensing or subscriptions required.

Performance and Power

The HPE Aruba Networking CX 4100i Switch Series is designed with ASICs that deliver very low latency, increased packet buffering, and adaptive power consumption.

Deploy IoT devices and wireless access points in harsh environments with models that support up to 360W IEEE 802.3at Class 4 and IEEE 802.3bt Class 6 Power over Ethernet.

Built-in wire speed 1/10GbE uplinks remove bottlenecks at the access layer where devices connect.

Operational in extended temperatures from -40 to 70 degrees Celsius using HPE Aruba Networking's industrial transceivers.

Simplified Configuration and Management

The CX 4100i series provides flexibility to manage and simplify configurations with HPE Aruba Networking Switch Multi-Edit Software, easy to use built-in web GUI, or industry standard CLI.

HPE Aruba Networking Switch Multi-Edit Software introduces automation that allows for rapid network-wide changes and verifies policy conformance post network updates.

Ready for software-defined networking with REST APIs for fine-grained programmability of network tasks.

Smarter Segmentation

The HPE Aruba Networking CX 4100i series supports Dynamic Segmentation that automatically applies and enforces user, device, and application-aware policies on 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.

Reduces time-consuming and error-prone task of adds, moves and changes.



Technical specifications

HPE Aruba Networking CX 4100i Switch Series

Memory and processor	CPU: Dual Core Arm® Cortex A9 @ 1016 MHz Memory and flash: 4 GB DDR3 32 GB eMMC
Stacking capabilities	No stacking capability
Management features	Management flexibility with support for HPE Aruba Networking Central, easy-to-use Web GUI, CLI, and HPE Aruba Networking Switch Multi-Edit Software.
Operating temperature	-40°C to 60°C, 0m/s (-40°F to 140°F, 0 LFM) -40°C to 70°C, 0.2m/s (-40°F to 158°F, 40 LFM) -34°C to 75°C, 1m/s (-29.2°F to 167°F, 200 LFM)

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



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

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate 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 HPE Services - Aruba Networking has to offer at: <https://www.hpe.com/edge/services>

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

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 HPE Aruba Networking technology.

Project based services include: Annual subscription services include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer
- Network optimization
- Intelligent Operations
- Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

Make the right purchase decision.
Contact our presales specialists.

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