HPE Aruba Networking CX 6000 48G Class4 PoE 4SFP 740W Switch(R9Y03AR#ACC)

HPE Aruba Networking CX 6000 48G Class4 PoE 4SFP 740W Switch - Switch - L3 - Managed - 48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP (uplink) - rack-mountable - PoE+ (740 W) - remarketed

The Aruba CX 6000 Switch Series is modern family of entry level access switches ideal for branch offices, midsize businesses, and small enterprises. Designed for reliable, simple, and security-enhanced access, the Aruba CX 6000 series provides a convenient and cost-effective wired access solution for networks supporting IoT, mobile, and cloud applications.

The Aruba CX 6000 series is based on the Aruba ASIC architecture with the programmable AOS-CX operating system used across the entire Aruba CX portfolio for a more consistent, more efficient operator experience. This fully-managed series has convenient built-in uplinks with up to 740W of Class 4 PoE to support IoT devices such as security cameras and wireless APs. A compact and fanless model is ideal for use in quiet, small work spaces. The Aruba CX 6000 series is easy to deploy and use with flexible management choices, allowing the best fit for your business and network environment.

Key Selling Points

Simplify IT operations with modern Layer 2 Gigabit Ethernet switch series that provides entry level, reliable, and convenient wired
Convenient built-in 1GbE uplinks and up to 740W of Class 4 PoE for support of access points, client, and IoT devices
Compact and fanless 12 port PoE model for space-constrained deployments
Flexibility to manage with Aruba Central, easy to use Web GUI, CLI, or Aruba NetEdit
Software defined ready with REST APIs

Product Features

Entry level Aruba CX access layer switches
The Aruba CX 6000 Switch Series offers Ethernet gigabit connectivity and optional PoE to provide entry level, reliable, and convenient wired access connectivity for enterprise branch offices and SMB networks. Using Aruba AOS-CX operating system across Aruba CX switching platforms and access-to-core-to-data center 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.

Performance and power
The Aruba CX 6000 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 6000 switch models that support up to 740W IEEE 802.3at Class 4 Power over Ethernet for up to 30W per port. Up to four built-in wire speed 1GbE uplinks remove bottlenecks at the access layer where users and devices connect.

Simplified configuration and management
The Aruba CX 6000 Switch Series provides flexibility to manage and simplify configurations with Aruba NetEdit, Aruba Central, 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. Software-defined ready with REST APIs for fine-grained programmability of network tasks. 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).

Main Specifications

Product Description	HPE Aruba Networking CX 6000 48G Class4 PoE 4SFP 740W Switch - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x Gigabit SFP (uplink)
Power Over Ethernet (PoE)	PoE+
PoE Budget	740 W
Performance	Switching capacity: 176 Gbps ¦ Throughput: 98.6 Mpps ¦ Latency (1 Gbps): 1.9 µs ¦ Latency (10 Gbps): 1.8 µs
Jumbo Frame Support	9220 bytes
Routing Protocol	IGMP, IGMPv2, IGMPv3, MLD, MLDv2

Remote Management Protocol	MIB, CLI, RMON, SNMP, SNMP 2, SNMP 3
Features	PoE Class 4, CoS, ToS, TPM, Layer 2 switching, Address Resolution Protocol, LLDP, UTM, UDLD, RPVST+, RSTP support, MSTP support
Compliant Standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3x, IEEE 802.3az
Power	AC 100-127/200-240 V (50/60 Hz)
System Requirements	AOS-CX
Localisation	English / United Kingdom
Pricing Type	Remarketed

Extended Specification

General

Device Type	Switch - 48 ports - L3 - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
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Jumbo Frame Support	9220 bytes
Routing Protocol	IGMP, IGMPv2, IGMPv3, MLD, MLDv2
Remote Management Protocol	MIB, CLI, RMON, SNMP, SNMP 2, SNMP 3
Encryption Algorithm	SSL
Authentication Method	RADIUS, TACACS+, Secure Shell (SSH), Secure Shell v.2 (SSH2)
Features	PoE Class 4, CoS, ToS, TPM, Layer 2 switching, Address Resolution Protocol, LLDP, UTM, UDLD, RPVST+, RSTP support, MSTP support
Compliant Standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1w, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad (LACP), IEEE 802.3x, IEEE 802.3az
Processor	1 x ARM CortexTM A9: 1.016 GHz
RAM	8 GB DDR3 SDRAM
Flash Memory	16 GB

Expansion / Connectivity

Interfaces	48 x 10/100/1000 Base-T (PoE+) RJ-45 PoE Class 4 - 30 W ¦ 4 x Gigabit LAN SFP uplink ¦ 1 x USB-C console ¦ 1 x USB Type A host

Miscellaneous

Included Accessories	Mounting brackets
Pricing Type	Remarketed
Localisation	English / United Kingdom

Power

Power Device	Internal power supply
Voltage Required	AC 100-127/200-240 V (50/60 Hz)

Software / System Requirements

OS Required	AOS-CX

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C