HPE Aruba Networking CX 6100 48G Class4 PoE 4SFP+ 740W Switch(R9Y04AR#ACC)

HPE Aruba Networking CX 6100 48G Class4 PoE 4SFP+ 740W Switch - Switch - L3 - Managed - 48 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ (uplink) - side to side airflow - rack-mountable, wall-mountable - PoE+ (740 W) - remarketed - CTO

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 740 W of IEEE 802.3at Class 4 PoE to support IoT devices such as security cameras and wireless APs. A 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.

Key Selling Points

Simplify IT operations with next-gen layer 2 switch series that provides entry level, reliable, and convenient wired access connectivity
Silent deployment with compact and fanless 12 port PoE model

Product 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.

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 to 740 W IEEE 802.3at Class 4 Power over Ethernet for up to 30 W per port. Four built-in wire speed 1/10GbE uplinks eliminate bottlenecks at the access layer where users and devices connect.

Main Specifications

Product Description	HPE Aruba Networking CX 6100 48G Class4 PoE 4SFP+ 740W Switch - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 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
Capacity	Switched virtual interfaces (SVIs) (dual stack): 16 ¦ IPv4 ACL entries (ingress): 256 ¦ IPv6 ACL entries (ingress): 128 ¦ MAC ACL entries (ingress): 256 ¦ IGMP groups: 512 ¦ MLD groups: 512 ¦ IPv4 host table capacity: 1024 ¦ IPv6 host table capacity: 512 ¦ IPv4 routes (Unicast): 512 ¦ IPv6 routes (Unicast): 512 ¦ Packet buffer size: 12.38 MB
MAC Address Table Size	8192 entries
Jumbo Frame Support	9220 bytes
Routing Protocol	IGMP, IGMPv2, IGMPv3, MLD, MLDv2
Remote Management Protocol	MIB, CLI, RMON, SNMP, SNMP 2, SNMP 3

Features	LLDP, PoE Class 4, UTM, UDLD, CoS, ToS, Address Resolution Protocol, Layer 2 switching, 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)
Dimensions (WxDxH)	44.25 cm x 32.42 cm x 4.39 cm
Weight	4.7 kg
System Requirements	AOS-CX
Localisation	English / United Kingdom
Pricing Type	Remarketed - CTO

Extended Specification

General

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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	LLDP, PoE Class 4, UTM, UDLD, CoS, ToS, Address Resolution Protocol, Layer 2 switching, RPVST+, RSTP support, MSTP support
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Processor	1 x ARM CortexTM A9: 1.016 GHz
RAM	4 GB DDR3 SDRAM
Flash Memory	16 GB

Expansion / Connectivity

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

Miscellaneous

Compliant Standards	IEC 62368-1: 2014, EN 62368-1: 2018, IEC 62368-1:2018, UL 62368-1: 2014 2nd Ed., VCCI-CISPR 32 Class A, CNS 15936 Class A, FCC CFR 47 Part 15 Class A, EN 55032:2015 + A11:2020, CISPR-32 Class A, ICES-003 Issue 7: 2020 Class A, AS/NZS CISPR 32:2015 Class A, EN 60825-1:2014, IEC/EN 60825-1:2014 Class 1, Laser Class 1, CISPR 35: 2016, EN 55035:2017/A11:2020, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, EN 61000-3-2, EN 61000-3-3, IEC 61000-3-2, IEC 61000-3-3

Pricing Type	Remarketed - CTO
Localisation	English / United Kingdom

Power

Power Device	Internal power supply
Power Provided	950 Watt
Voltage Required	AC 100-127/200-240 V (50/60 Hz)
Power Consumption Operational	49.7 Watt
Power Consumption Stand by	37.5 Watt

Software / System Requirements

OS Required	AOS-CX

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	5 - 95% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

Dimensions & Weight

Width	44.25 cm
Depth	32.42 cm
Height	4.39 cm
Weight	4.7 kg