

HPE Aruba 6000 24G Class4 PoE 4SFP 370W Switch(R8N87A#ACC)

HPE Aruba 6000 24G Class4 PoE 4SFP 370W Switch - Switch - Managed - 24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP - side to side airflow - rack-mountable - PoE (370 W)



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 370W of Class 4 PoE to support IoT devices such as security cameras and wireless APs. A compact 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 access connectivity

Convenient built-in 1GbE uplinks and up to 370W of Class 4 PoE for support of access points, client, and IoT devices

Compact PoE model for space-constrained deployments

Flexibility to manage and simplify configurations with Aruba NetEdit, easy to use Web GUI, or industry standard CLI

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 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 370W IEEE 802.3at Class 4 Power over Ethernet for up to 30W per port.

Simplified configuration and management

The Aruba CX 6000 Switch Series provides flexibility to manage and simplify configurations with 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. 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 6000 24G Class4 PoE 4SFP 370W Switch - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - Managed - stackable
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP
Power Over Ethernet (PoE)	PoE
PoE Budget	370 W
Performance	Packet buffer size: 12.38 MB Throughput: 41.6 Mpps Switching capacity: 56 Gbps Latency (1 Gbps): 1.5 µs
Capacity	Switched virtual interfaces (SVIs): 16 ARP entries: 1024 IPv4 routes (Unicast): 512 IPv6 routes (Unicast): 512 IGMP groups: 512 MLD groups: 512 IPv4 ACL entries (ingress): 256 IPv6 ACL entries (ingress): 128 MAC ACL entries (ingress): 256
MAC Address Table Size	8192 entries
Jumbo Frame Support	9198 bytes

Routing Protocol	IGMPv2,IGMPv3
Remote Management Protocol	SNMP 1,SNMP 3,SNMP 2c,HTTP,HTTPS,RADIUS
Features	Flow control,BOOTP support,ARP support,VLAN support,DiffServ support,IPv6 support,SNTP support,sFlow,Multiple Spanning Tree Protocol (MSTP) support,Trivial File Transfer Protocol (TFTP) support,Access Control List (ACL) support,MLD snooping,Trusted Platform Module (TPM),fanless,LACP support,LLDP support,DHCP client,Management Information Base (MIB),Neighbor Discovery Protocol (NDP),SNMP support,Internet Control Message Protocol (ICMP),DNS client,LLDP-MED,User Datagram Protocol (UDP),Rapid Reconfiguration of Spanning Tree (RSTP),IPv6 addressing
Compliant Standards	IEEE 802.3,IEEE 802.1D,IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3af,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1s,IEEE 802.3at,IEEE 802.3az
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44.2 cm x 26.82 cm x 4.39 cm
Weight	4.19 kg
Localisation	English / United Kingdom
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

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Jumbo Frame Support	9198 bytes
Routing Protocol	IGMPv2,IGMPv3
Remote Management Protocol	SNMP 1,SNMP 3,SNMP 2c,HTTP,HTTPS,RADIUS
Encryption Algorithm	SSL
Authentication Method	Secure Shell (SSH),RADIUS,TACACS+,Secure Shell v.2 (SSH2)
Features	Flow control,BOOTP support,ARP support,VLAN support,DiffServ support,IPv6 support,SNTP support,sFlow,Multiple Spanning Tree Protocol (MSTP) support,Trivial File Transfer Protocol (TFTP) support,Access Control List (ACL) support,MLD snooping,Trusted Platform Module (TPM),fanless,LACP support,LLDP support,DHCP client,Management Information Base (MIB),Neighbor Discovery Protocol (NDP),SNMP support,Internet Control Message Protocol (ICMP),DNS client,LLDP-MED,User Datagram Protocol (UDP),Rapid Reconfiguration of Spanning

	Tree (RSTP),IPv6 addressing
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Processor	1 x ARM A9:1.016 GHz
RAM	4 GB DDR3 SDRAM
Flash Memory	16 GB

Expansion / Connectivity

Interfaces	24 x 10/100/1000 Base-T RJ-45 PoE Class 4 - 370 W 4 x Gigabit LAN SFP 1 x USB Type A 1 x USB-C console
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Power

Power Device	Internal power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Consumption Operational	32.7 Watt

Miscellaneous

Compliant Standards	CISPR 24,EN 61000-3-2,IEC 61000-3-2,IEC 61000-3-3,IEC 61000-4-11,IEC 61000-4-2,IEC 61000-4-3,IEC 61000-4-4,IEC 61000-4-5,IEC 61000-4-6,IEC 61000-4-8,EN 61000-3-3,UL 60950-1,IEC 60950-1,EN 60950-1,EN 60825-1,CAN/CSA C22.2 No. 60950,CNS 13438,FCC CFR47 Part 15 A,ICES-003 issue 6 Class A,UL 62368-1 Second Edition,CISPR 32 Class A,EN 62368-1:2014,VCCI-CISPR 32:2016 Class A,CISPR 35,EN 55035:2017,EN 55032:2015/AC:2016-07 Class A,EN55024:2010:A1,IEC 62368-1 Second Edition
Localisation	English / United Kingdom

Dimensions &Weight

Width	44.2 cm
Depth	26.82 cm
Height	4.39 cm
Weight	4.19 kg

Manufacturer Warranty

Service &Support	Limited warranty - lifetime
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	15 - 95% (non-condensing)
Humidity Range Storage	15 - 90% (non-condensing)