Aruba 6000 24G 4SFP

Artikel	125668
Herstellernummer	R8N88A#ABB
EAN	0190017541624

Aruba

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 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.

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.
- Right size deployment with choice of 12, 24, and 48 port 1U models with convenient built-in 1GbE uplinks and up to 370W of Class 4 PoE.
- Simplifies ownership with no switch software licensing or subscriptions required.

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.
- 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, 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).

Zusammenfassung

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 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.

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.
- Right size deployment with choice of 12, 24, and 48 port 1U models with convenient built-in 1GbE uplinks and up to 370W of Class 4 PoE.
- Simplifies ownership with no switch software licensing or subscriptions required.

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.
- 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, 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).

Aruba 6000 24G 4SFP, Managed, L3, Gigabit Ethernet (10/100/1000), Rack mounting, 1U

Aruba 6000 24G 4SFP. Switch type: Managed, Switch layer: L3. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 24. MAC address table: 8192 entries, Switching capacity: 56 Gbit/s. Networking standards: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3, IEEE 802.3ab, IEEE.... Rack mounting, Form factor: 1U

Merkmale

Logistics data

Harmonized System (HS) code	85176990

Multicast features

Security

DHCP features	DHCP client
Access Control List (ACL)	Y
IGMP snooping	Y
Authentication	MAC-based authentication

Weight & dimensions

Multicast support	Y

Power over Ethernet (PoE)

Power over Ethernet (PoE)	N

Design

Rack mounting	Y
Stackable	N
Form factor	1U

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity	24
Basic switching RJ-45 Ethernet ports type	Gigabit Ethernet (10/100/1000)
SFP module slots quantity	4

Protocols

IPv4 & IPv6 features	IPv4/IPv6 access-control list (ACL)
IPv4 FIB entries	256
IPv6 FIB entries	128

Operational conditions

Operating temperature (T-T)	0 - 45 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	15 - 95%
Storage relative humidity (H-H)	15 - 90%

Width	442 mm
Depth	201 mm
Height	44 mm
Weight	2.6 kg

Management features

Switch type	Managed
Switch layer	L3
Quality of Service (QoS) support	Y
Web-based management	Y
Cloud-managed	Y

Power

Power source	AC
Power supply included	Y
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power consumption (max)	33 W

Data transmission

Switching capacity	56 Gbit/s
Throughput	41.6 Mpps
MAC address table	8192 entries
Latency (1 Gbps)	1.5 µs
Jumbo frames support	Y
Packet buffer memory	12.38 MB

Performance

Built-in processor	Y
Processor model	ARM Cortex-A9
Processor frequency	1016 MHz
Memory type	DDR3-SDRAM
Internal memory	8192 MB
Flash memory	16384 MB

Network

Networking standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.3, IEEE 802.3ab, IEEE 802.3ad, IEEE 802.3az, IEEE 802.3x
10G support	N
Port mirroring	Y
Flow control support	Y
Link aggregation	Y
Auto MDI/MDI-X	Y
Spanning tree protocol	Y
VLAN support	Y