

HPE Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch(JL675A#ACC)

HPE Aruba 6100 48G Class4 PoE 4SFP+ 370W Switch - Switch - Managed - 48 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+ - side to side airflow - rack-mountable - PoE+ (370 W)

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. 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

- Entry level Aruba CX access layer switches
- Performance and power
- Simplified configuration and management

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 370W IEEE 802.3at Class 4 Power over Ethernet for up to 30W per port. Four built-in wire speed 1/10GbE uplinks eliminate bottlenecks at the access layer where users and devices connect.

Simplified configuration and management

The Aruba CX 6100 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 6100 48G Class4 PoE 4SFP+ 370W Switch - switch - 52 ports - Managed - rack-mountable
Device Type	Switch - 52 ports - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 4 x 1 Gigabit / 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	370 W
Performance	Switching capacity: 176 Gbps Throughput: 98.6 μ s Latency (1 Gbps): 1.9 μ s Latency (10 Gbps): 1.8 μ s
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
Routing Protocol	IGMPv2, IGMPv3
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, MLD snooping, LACP support, LLDP support, port

based access control,DHCP client,Energy Efficient Ethernet,Management Information Base (MIB),Network Access Control (NAC),Neighbor Discovery Protocol (NDP),SNMP support,Internet Control Message Protocol (ICMP),EntityMIB,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 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1s,IEEE 802.3at,IEEE 802.3az
Power	AC 220 V (50/60 Hz)
Dimensions (WxDxH)	44.2 cm x 30.48 cm x 4.39 cm
Weight	5.02 kg
Localisation	English / United Kingdom
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 52 ports - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
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MAC Address Table Size	8192 entries
Routing Protocol	IGMPv2,IGMPv3
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,MLD snooping,LACP support,LLDP support,port based access control,DHCP client,Energy Efficient Ethernet,Management Information Base (MIB),Network Access Control (NAC),Neighbor Discovery Protocol (NDP),SNMP support,Internet Control Message Protocol (ICMP),EntityMIB,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	48 x 10/100/1000 Base-T RJ-45 PoE+ 4 x 1/10Gbit LAN SFP+ 1 x USB-C console 1 x USB Type A
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Power

Power Device	Internal power supply
Power Provided	500 Watt 2.4 A
Voltage Required	AC 220 V (50/60 Hz)
Power Consumption Operational	30.6 Watt

Miscellaneous

Compliant Standards	FCC Class A certified,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,Laser Class 1,UL 60950-1 Second Edition,EN 60825,VCCI Class A,EN 60825-1:2007,CAN/CSA C22.2 No. 60950 Second Edition,IEC 60825-1:2007 Class 1,EN 55022/CISPR 22 Class A,RFC1213,RFC1493,RFC2674,IEC/EN 60950-1,RFC768,RFC2460,RFC2925,RFC1591,RFC783,RFC792
Localisation	English / United Kingdom

Dimensions &Weight

Width	44.2 cm
Depth	30.48 cm
Height	4.39 cm
Weight	5.02 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)

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