

HPE Aruba 6300M - Switch - L3

Managed - 24 x 10/100/1000 + 4 x 1 Gigabit / 10 Gigabit / 25 Gigabit / 50 Gigabit SFP56 (uplink / stacking) - front and side to back - rack-mountable

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JL664A
EAN/UPC	0190017339504



Description

The Aruba CX 6300 Switch Series is a modern, flexible, and intelligent family of AOS-CX stackable switches ideal for enterprise access and aggregation. With a cloud-centric design that combines a fully programmable OS with the Aruba Network Analytics Engine, the Aruba CX 6300 extends industry-leading monitoring and troubleshooting capabilities to the access layer. Support of Aruba NetEdit and the Aruba CX Mobile App verify that configurations are flawless and easy to deploy.

Main features

Product Description	HPE Aruba 6300M - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - L3 - Managed - stackable
Enclosure Type	Front and side to back rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 + 4 x 1 Gigabit / 10 Gigabit / 25 Gigabit / 50 Gigabit SFP56 (uplink / stacking)
Performance	Switching capacity: 448 Gbps Throughput: 334 Mpps Latency (1 Gbps): 2.28 μs Latency (10 Gbps): 1.46 μs Latency (25 Gbps): 1.9 μs Latency (50 Gbps): 3.49 μs Stacking bandwidth: 200 Gbps
Capacity	Switched virtual interfaces (SVIs): 1000 IPv4 host table capacity: 32000 IPv6 host table capacity: 32000 IPv4 routes (Unicast): 64000 IPv6 routes (Unicast): 32000 IPv4 routes (Multicast): 8000 IPv6 routes (Multicast): 8000 IGMP groups: 8000 MLD groups: 4000 IPv4 ACL entries (ingress): 5000 IPv6 ACL entries (ingress): 1250 MAC ACL entries (ingress): 5000 IPv4 ACL entries (egress): 2000 IPv6 ACL entries (egress): 500 MAC ACL entries (egress): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	EGP, BGP-4, IGMPv2, IGMP, VRRP, OSPFv2, IGMPv3, OSPFv3, MSDP, static IPv6 routing, ECMP, MLD, Bidirectional Forwarding Detection (BFD)
Remote Management Protocol	RMON, Telnet, SNMP 3, SNMP 2c, HTTPS, TFTP, SSH, CLI, XRMON, SFTP

Features	DHCP support, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, High Availability, Per-VLAN Spanning Tree (PVST), Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Deficit Weighted Round Robin (DWRR), LLDP support, Management Information Base (MIB), DHCP protection, dual firmware images, Multiple VLAN Registration Protocol (MVRP), packet storm protection, Class of Service (CoS), Strict Priority (SP), broadcast storm protection, Type of Service (ToS), Bridge protocol data unit (BPDU), Virtual Extensible LAN (VXLAN), Multicast Storm Protection, Network Timing Protocol (NTP), RA guard, Zero-touch provisioning (ZTP), Protocol Independent Multicast (PIM), VLAN Tagging, Rapid Reconfiguration of Spanning Tree (RSTP), IPv4 and IPv6 dual stack, IP multicast, Aruba Virtual Switching Framework (VSF), dynamic IPv6 lockdown, ND snooping, Unicast Storm protection, Microsoft Network Load Balancer (NLB)
Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1t, IEEE 802.1v, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.1AX
Dimensions (WxDxH)	44.2 cm x 38.5 cm x 4.4 cm
Weight	5.43 kg

Extended details

General	
Device Type	Switch - 24 ports - L3 - Managed - stackable
Enclosure Type	Front and side to back rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 + 4 x 1 Gigabit / 10 Gigabit / 25 Gigabit / 50 Gigabit SFP56 (uplink / stacking)
Performance	Switching capacity: 448 Gbps Throughput: 334 Mpps Latency (1 Gbps): 2.28 μs Latency (10 Gbps): 1.46 μs Latency (25 Gbps): 1.9 μs Latency (50 Gbps): 3.49 μs Stacking bandwidth: 200 Gbps
Capacity	Switched virtual interfaces (SVIs): 1000 IPv4 host table capacity: 32000 IPv6 host table capacity: 32000 IPv4 routes (Unicast): 64000 IPv6 routes (Unicast): 32000 IPv4 routes (Multicast): 8000 IPv6 routes (Multicast): 8000 IGMP groups: 8000 MLD groups: 4000 IPv4 ACL entries (ingress): 5000 IPv6 ACL entries (ingress): 1250 MAC ACL entries (ingress): 5000 IPv4 ACL entries (egress): 2000 IPv6 ACL entries (egress): 500 MAC ACL entries (egress): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	EGP, BGP-4, IGMPv2, IGMP, VRRP, OSPFv2, IGMPv3, OSPFv3, MSDP, static IPv6 routing, ECMP, MLD, Bidirectional Forwarding Detection (BFD)
Remote Management Protocol	RMON, Telnet, SNMP 3, SNMP 2c, HTTPS, TFTP, SSH, CLI, XRMON, SFTP
Authentication Method	Secure Shell (SSH), RADIUS, TACACS+

Features	DHCP support, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, High Availability, Per-VLAN Spanning Tree (PVST), Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, MLD snooping, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Deficit Weighted Round Robin (DWRR), LLDP support, Management Information Base (MIB), DHCP protection, dual firmware images, Multiple VLAN Registration Protocol (MVRP), packet storm protection, Class of Service (CoS), Strict Priority (SP), broadcast storm protection, Type of Service (ToS), Bridge protocol data unit (BPDU), Virtual Extensible LAN (VXLAN), Multicast Storm Protection, Network Timing Protocol (NTP), RA guard, Zero-touch provisioning (ZTP), Protocol Independent Multicast (PIM), VLAN Tagging, Rapid Reconfiguration of Spanning Tree (RSTP), IPv4 and IPv6 dual stack, IP multicast, Aruba Virtual Switching Framework (VSF), dynamic IPv6 lockdown, ND snooping, Unicast Storm protection, Microsoft Network Load Balancer (NLB)
Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1t, IEEE 802.1v, IEEE 802.1ab (LLDP), IEEE 802.1ak, IEEE 802.1AX
Processor	1 x ARM Cortex-A72: 1.78 GHz
RAM	8 GB DDR4 SDRAM
Flash Memory	32 GB
Expansion / Connectivity	
Interfaces	24 x 10/100/1000 Base-T RJ-45 PoE+ 4 x 1Gbit/10Gbit/25Gbit/50Gbit SFP56 1 x USB-C console 1 x management 1 x USB Type A
Miscellaneous	
Rack Mounting Kit	Included
Compliant Standards	FCC Class A certified, CISPR 22 Class A, 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, FCC Part 15, ICES-003 Class A, RoHS, WEEE, CAN/CSA C22.2 No. 60950-1-07, VCCI Class A, EN 50581:2012, IEC 60950-1:2005, EN 61000-3-3:2013, CISPR 24:2010, EN 55022:2010, EN 61000-3-2:2014, EN 60825-1:2007, IEC 60825-1:2007 Class 1, EN 55032:2012 Class A, CISPR 32 Class A, UL/CSA60950-1 (2nd Edition), CISPR 35, EN 55024:2010 Class A, EN 55035:2017, EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Dimensions & Weight	
Width	44.2 cm
Depth	38.5 cm
Height	4.4 cm
Weight	5.43 kg
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	45 °C
Humidity Range Operating	15 - 95% (non-condensing)

Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	15 - 95% (non-condensing)

Technical data © 1WorldSync. Subject to technical modifications and errors.