

HPE Aruba Instant On 1960 48G 2XGT 2SFP+ Switch

Switch - L2+ - smart - 48 x 10/100/1000 + 2 x 10 Gigabit SFP+ + 2 x 10 Gigabit Ethernet - desktop - rack-mountable

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JL808A#ABB
EAN/UPC	0190017522616



Description

Aruba Instant On 1960 switches are advanced Gigabit stackable switches with intelligent management and fixed configuration. Perfect for small and growing businesses, they are affordable and easy to deploy. Designed to adapt to business growth, they make it easy to add employees, systems and applications. Aruba Instant On 1960 switches are designed to support today's bandwidth-intensive applications, such as voice and video conferencing. They ensure constant connectivity to enhance user experience and application performance. They can be managed in several ways: local web interface or Instant On mobile application and cloud-based web portal.

Main features

Product Description	HPE Aruba Instant On 1960 48G 2XGT 2SFP+ Switch - switch - 48 ports - smart - rack-mountable
Device Type	Switch - 48 ports - L2+ - smart - stackable
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 2 x 10 Gigabit SFP+ + 2 x 10 Gigabit Ethernet
Performance	Latency (100 Mbps): 4.4 µs Latency (1 Gbps): 2.2 µs Latency (10 Gbps): 1.1 µs Throughput: 131 Mpps Switching capacity: 176 Gbps
Capacity	IPv4 routing table entries: 32 IPv6 routing table entries: 32
MAC Address Table Size	16000 entries
Jumbo Frame Support	9216 bytes
Routing Protocol	IGMPv2, IGMP, IGMPv3, static IPv4 routing, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SCP, RADIUS
Features	Flow control, auto-negotiation, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DoS attack prevention, port mirroring, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, firmware upgradable, SNMP support, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Access Control List (ACL) support, Quality of Service (QoS), DHCP server, MLD snooping, Trusted Platform Module (TPM), Cable Diagnostics Function, DHCP relay, Port Security, port based access control, DHCP client, Energy Efficient Ethernet, Class of Service (CoS), cloud managed, IP source guard, Internet Control Message Protocol (ICMP), dual image support, DNS client, LLDP-MED, ingress rate limiting, protected ports, BPDU

	Filter, Weighted Round Robin (WRR), ARP filtering, DSCP prioritisation, auto voice VLAN, loop protection
Compliant Standards	IEEE 802.3u, IEEE 802.3i, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ac, IEEE 802.1s, IEEE 802.1t, IEEE 802.1ab (LLDP), IEEE 802.3an, IEEE 802.3az
Power	AC 100-240 V (50/60 Hz)
Dimensions (WxDxH)	44.25 cm x 35.05 cm x 4.4 cm
Weight	4.4 kg
Localisation	English / Europe

Extended details

	General
Device Type	Switch - 48 ports - L2+ - smart - stackable
Enclosure Type	Desktop, rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 2 x 10 Gigabit SFP+ + 2 x 10 Gigabit Ethernet
Performance	Latency (100 Mbps): 4.4 µs Latency (1 Gbps): 2.2 µs Latency (10 Gbps): 1.1 µs Throughput: 131 Mpps Switching capacity: 176 Gbps
Capacity	IPv4 routing table entries: 32 IPv6 routing table entries: 32
MAC Address Table Size	16000 entries
Jumbo Frame Support	9216 bytes
Routing Protocol	IGMPv2, IGMP, IGMPv3, static IPv4 routing, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SCP, RADIUS
Encryption Algorithm	SSL
Authentication Method	RADIUS
Features	Flow control, auto-negotiation, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DoS attack prevention, port mirroring, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, firmware upgradable, SNTP support, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Access Control List (ACL) support, Quality of Service (QoS), DHCP server, MLD snooping, Trusted Platform Module (TPM), Cable Diagnostics Function, DHCP relay, Port Security, port based access control, DHCP client, Energy Efficient Ethernet, Class of Service (CoS), cloud managed, IP source guard, Internet Control Message Protocol (ICMP), dual image support, DNS client, LLDP-MED, ingress rate limiting, protected ports, BPDU Filter, Weighted Round Robin (WRR), ARP filtering, DSCP prioritisation, auto voice VLAN, loop protection
Compliant Standards	IEEE 802.3u, IEEE 802.3i, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.3ac, IEEE 802.1s, IEEE 802.1t, IEEE 802.1ab (LLDP), IEEE 802.3an, IEEE 802.3az
Processor	1: 800 MHz
Status Indicators	Port status
	Expansion / Connectivity

Interfaces	48 x Gigabit LAN RJ-45 2 x 10Gbit LAN SFP+ 2 x 10Gbit LAN RJ-45
Power	
Power Device	Internal power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Consumption Operational	80 Watt
Miscellaneous	
Rack Mounting Kit	Included
MTBF	109.4 years
Compliant Standards	Plug and Play, EN 61000-3-2, IEC 61000-3-2, IEC 61000-3-3, EN 61000-3-3, ICES-003 Class A, VCCI Class A, FCC CFR47 Part 15 A, CNS 13438 Class A, KN35, IEC/EN 61000-4-3, IEC/EN 61000-4-4, IEC/EN 61000-4-5, IEC/EN 61000-4-6, IEC/EN 61000-4-8, AS/NZS CISPR 32 Class A, KN32 Class A, EN 62368-1, IEC 62368-1, IEC/EN 61000-4-11, IEC/EN 61000-4-2, EN 62368-1 Second Edition, UL 62368-1 Second Edition, IEC/EN60950-1:2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013, CAN/CSA-C22.2 No. 62368-1, UL 62368-1, EN 55035, EN 55032/CISPR 32 Class A, CISPR 35, IEC 62368-1 Second Edition, UL 62368-1 Third Edition, EN 62368-1 Third Edition, IEC 62368-1 Third Edition, CAN/CSA C22.2 No. 62368-1 Third Edition, CAN/CSA C22.2 No. 62368-1 Second Edition, EN/IEC 60825-1:2014 Class 4
Localisation	English / Europe
Dimensions & Weight	
Width	44.25 cm
Depth	35.05 cm
Height	4.4 cm
Weight	4.4 kg
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime Technical support - live chat - lifetime Technical support - phone consulting - 90 days from date of purchase
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	40 °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)

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