

HPE Aruba 2930F 48G 4SFP - Switch

L3 - Managed - 48 x 10/100/1000 + 4 x Gigabit SFP - side to side airflow - rack-mountable

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JL260A
EAN/UPC	0190017006260



Description

The Aruba 2930F Switch series is designed for customer creating digital workplaces that are optimized for mobile users with an integrated wired and wireless approach. These basic Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Aruba AirWave and are ideal for enterprise edge, SMB and branch offices. A powerful Aruba ProVision ASIC delivers performance and value supporting the latest SDN applications with future proof programmability. It supports 10GbE uplinks, PoE+, robust QoS, and RIP routing.

Main features

Product Description	HPE Aruba 2930F 48G 4SFP - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed
Enclosure Type	Side to side airflow rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x Gigabit SFP
Performance	Throughput: 77.4 Mpps Switching capacity: 104 Gbps Latency (1 Gbps): 3.8 μ s
Capacity	IPv4 routing table entries: 2000 IPv6 routing table entries: 1000 MAC address entries: 32768
MAC Address Table Size	32K entries
Jumbo Frame Support	9220 bytes
Routing Protocol	OSPF, RIP, RIP-1, RIP-2, BGP, IGMPv2, IGMP, OSPFv2, static IP routing, IGMPv3, OSPFv3, static IPv4 routing, static IPv6 routing, RIPng, MLD, CIDR
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, SNMP, Telnet, SNMP 3, SNMP 2c, SSH, SSH-2, CLI, XRMON
Features	Flow control, full duplex capability, DHCP support, BOOTP support, ARP support, VLAN support, IGMP snooping, Syslog support, DiffServ support, IPv6 support, SNTP support, sFlow, Spanning Tree Protocol (STP) support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, DHCP server, STP Root Guard, Uni-Directional Link Detection (UDLD), LLDP support, Link Aggregation Control Protocol (LACP), Management Information Base (MIB), MAC address lockout, dynamic ARP protection, DHCP protection, Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), Neighbor Discovery Protocol (NDP), Class of Service (CoS), Type of Service (ToS), OpenFlow support, CPU protection, Internet Control Message Protocol (ICMP), ICMP Router Discovery Protocol

	(IRDP), Virtual Extensible LAN (VXLAN), Management Information Base (MIB) II, Energy-Efficient Ethernet (EEE)
Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ad, IEEE 802.1v, IEEE 802.1ab (LLDP), IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	44.25 cm x 24.63 cm x 4.39 cm
Weight	3.1 kg

Extended details

	General
Device Type	Switch - 48 ports - L3 - Managed
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Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, SNMP, Telnet, SNMP 3, SNMP 2c, SSH, SSH-2, CLI, XRMON
Encryption Algorithm	MD5, SSL
Authentication Method	RADIUS, PAP, CHAP, TACACS, TACACS+
Features	Flow control, full duplex capability, DHCP support, BOOTP support, ARP support, VLAN support, IGMP snooping, Syslog support, DiffServ support, IPv6 support, SNTP support, sFlow, Spanning Tree Protocol (STP) support, Multiple Spanning Tree Protocol (MSTP) support, Access Control List (ACL) support, Quality of Service (QoS), Jumbo Frames support, DHCP server, STP Root Guard, Uni-Directional Link Detection (UDLD), LLDP support, Link Aggregation Control Protocol (LACP), Management Information Base (MIB), MAC address lockout, dynamic ARP protection, DHCP protection, Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), Neighbor Discovery Protocol (NDP), Class of Service (CoS), Type of Service (ToS), OpenFlow support, CPU protection, Internet Control Message Protocol (ICMP), ICMP Router Discovery Protocol (IRDP), Virtual Extensible LAN (VXLAN), Management Information Base (MIB) II, Energy-Efficient Ethernet (EEE)
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Processor	1 x ARM Cortex: 1.016 GHz
RAM	1 GB DDR3 SDRAM
Flash Memory	4 GB

	Expansion / Connectivity
Interfaces	48 x 1000Base-T RJ-45 4 x Gigabit LAN SFP 1 x serial (console) RJ-45 1 x Type B
	Power
Power Device	Internal power supply
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	46.6 Watt
80 PLUS Certification	80 PLUS Silver
	Miscellaneous
Compliant Standards	CISPR 22 Class A, CISPR 24, 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, ICES-003 Class A, UL 60950-1 Second Edition, CSA C22.2 No. 60950-1-07 Second Edition, VCCI Class A, IEC 60825-1:2007, CNS 13438, EN 55024:2010, EN 55022:2010, IEC 60950-1:2005 + A1:2009 + A2:2013, EN 60825-1:2007, FCC CFR47 Part 15 A, EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
	Dimensions & Weight
Width	44.25 cm
Depth	24.63 cm
Height	4.39 cm
Weight	3.1 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)

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