

HPE Aruba 2930M 48G 1-Slot - Switch

L3 - Managed - 44 x 10/100/1000 + 4 x combo Gigabit SFP - front to back airflow - rack-mountable

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JL321A
EAN/UPC	0190017071237



Description

The Aruba 2930M switch is designed for customers creating digital workplaces that are optimized for mobile users with an integrated wired and wireless approach. This Layer 3 access switch is easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Aruba AirWave. With support from cloud-based Aruba Central, you can quickly set up remote offices with little or no IT support. A powerful Aruba ProVision ASIC delivers performance and value with support of the latest SDN apps with future proof programmability for tomorrow's applications. High performance modular stacking for up to 10 switches provides simplicity, scalability with a pay as you grow approach. The 2930M supports Dual Modular Power Supplies, up to 1440 watts of PoE+, HPE Smart Rate (IEEE 802.3bz), robust QoS, RIP, Access OSPF routing, Tunnel Node, PIM, VRRP and IPv6 with no software licensing required. The Aruba 2930M Switch Series provides a convenient and cost-effective access switch solution that can be quickly set up with Zero Touch Deployment.

Main features

Product Description	HPE Aruba 2930M 48G 1-Slot - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Front to back airflow rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	44 x 10/100/1000 + 4 x combo Gigabit SFP
Performance	Throughput: 112 Mpps Latency (10 Mbps): 98.5 µs Latency (100 Mbps): 11.8 µs Latency (1 Gbps): 3.1 µs Latency (10 Gbps): 3.4 µs Stacking bandwidth: 100 Gbps Switching capacity: 176 Gbps
Capacity	IPv4 routing table entries: 2000 IPv6 routing table entries: 1000 RIP routes: 10000 Static routes: 256 OSPF routes: 200
MAC Address Table Size	32768 entries
Jumbo Frame Support	9220 bytes
Routing Protocol	OSPF, RIP, RIP-1, RIP-2, IGMPv2, IGMP, OSPFv2, static IP routing, IGMPv3, OSPFv3, static IPv4 routing, static IPv6 routing, RIPng, MLDv2, MLD, CIDR
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, SNMP, RMON 3, RMON 9, RMON, Telnet, SNMP 3, SNMP 2c, HTTP, SSH, SSH-2, CLI, XRMON
Features	Flow control, DHCP support, BOOTP support, VLAN support, IGMP snooping, DiffServ support, IPv6 support, STP support, sFlow, Quality of Service (QoS), DHCP server, STP Root Guard, Uni-Directional Link Detection (UDLD), Management Information Base (MIB), dynamic ARP protection, DHCP protection, Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), Class of Service (CoS), Type of Service (ToS), ICMP Router Discovery Protocol (IRDP), Virtual Extensible LAN (VXLAN)

Compliant Standards	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x, IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ad, IEEE 802.1v, IEEE 802.1ab (LLDP), IEEE 802.3az, IEEE 802.1AX
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	44.25 cm x 32.43 cm x 4.39 cm
Weight	4.6 kg

Extended details	
	General
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Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, SNMP, RMON 3, RMON 9, RMON, Telnet, SNMP 3, SNMP 2c, HTTP, SSH, SSH-2, CLI, XRMON
Encryption Algorithm	MD5, SSL
Authentication Method	RADIUS, PAP, CHAP, TACACS, TACACS+
Features	Flow control, DHCP support, BOOTP support, VLAN support, IGMP snooping, DiffServ support, IPv6 support, SNTP support, sFlow, Quality of Service (QoS), DHCP server, STP Root Guard, Uni-Directional Link Detection (UDLD), Management Information Base (MIB), dynamic ARP protection, DHCP protection, Dynamic VLAN Support (GVRP), Multiple VLAN Registration Protocol (MVRP), Class of Service (CoS), Type of Service (ToS), ICMP Router Discovery Protocol (IRDP), Virtual Extensible LAN (VXLAN)
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Processor	1 x ARM Cortex-A9: 1.016 GHz
RAM	1 GB DDR3 SDRAM
Flash Memory	4 GB
	Expansion / Connectivity
Interfaces	44 x 1000Base-T RJ-45 4 x Gigabit LAN 1 x serial (console) RJ-45 1 x USB Type B 1 x management RJ-45
Expansion Slots	1 (total) / 1 (free) x Stacking Module 1 (total) / 1 (free) x Expansion Slot
	Power
Power Device	Internal power supply
Installed Qty	0 (installed) / 2 (max)

Voltage Required	AC 120/230 V (50/60 Hz)
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	32.43 cm
Height	4.39 cm
Weight	4.6 kg
	Manufacturer Warranty
Service & Support	Limited warranty - lifetime
	Environmental Parameters
Min Operating Temperature	0 °C
Max Operating Temperature	55 °C
Humidity Range Operating	15 - 95% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	90% (non-condensing)

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