

HPE Aruba 2930F 24G 4SFP+Swch UK(JL253A#ACC)
HPE Aruba 2930F 24G 4SFP+Swch UK

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.

Key Selling Points

- High-performance access layer switches
- Performance and power at the edge
- Security and quality of service you can rely on
- Simplify with integrated wired/wireless management

Product Features

High-performance access layer switches

The Aruba 2930F Switch series provides performance,security,and ease of use for enterprise edge,SMB,and branch office networks. Delivers a consistent wired/wireless user experience with unified management tools such as ClearPass Policy Manager and Airwave Network Management. Provides optimal configuration automatically when connected to Aruba access points for PoE priority,VLAN configuration,and rogue AP containment. Convenient built-in 1GbE or 10GbE uplinks and PoE+ models deliver right-size network access performance. Robust basic Layer 3 feature set includes static and RIP routing,ACLs,sFlow,IPv6 with no software licensing required. Designed with a powerful ProVision ASIC and support for OpenFlow,the Aruba 2930F is ready to take advantage of SDN applications such as HPE Network Visualizer,Optimizer,and Protector Software products.

Performance and power at the edge

The Aruba 2930F Switch series is designed with a powerful Aruba ProVision ASIC,to enable the mobile campus with SDN optimizations,low latency,increased packet buffering,and adaptive power consumption. Increase performance with selectable queue configurations and associated memory buffering that meets your specific network application requirements. Supports up to 370 W of internal PoE+ power for wireless access points,cameras and phones.

Security and quality of service you can rely on

The Aruba 2930F Switch series includes security and quality of services features to build a network that meets ever-changing corporate policies and compliances while protecting your data from both inside and outside attacks. Flexible authentication options include standards based security protocols such as 802.1X,MAC and Web Authentication,to enhance security and policy-driven application authentication. Powerful,multilevel-access security controls include source-port filtering,RADIUS/TACACS+,SSL,Port Security,and MAC address lockout.

Simplify with integrated wired/wireless management

The Aruba 2930F Switch series supports Aruba ClearPass Policy Manager for unified and consistent policy between wired and wireless users and simplifies implementation and management of guest login,user onboarding,network access,security,QoS,and other network policies. Supports Aruba Airwave Network Management software to provide common platform for Zero Touch Provisioning management,and monitoring for wired and wireless network devices. RMON and sFlow provide advanced monitoring and reporting capabilities for statistics,history,alarms and events. Out-of-band Ethernet management port keeps management traffic segmented from your network data traffic.

Main Specifications

Product Description	HPE Aruba 2930F 24G 4SFP+ - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000 + 4 x 1 Gigabit / 10 Gigabit SFP+ (uplink)
Performance	Throughput: 95.2 Mpps Switching capacity: 128 Gbps Latency (1 Gbps): 3.8 μs Latency (10 Gbps): 1.6 μs
Capacity	Jumbo frame size: 9220 IPv4 routing table entries: 10000 IPv6 routing table entries: 5000
MAC Address Table Size	32K entries
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
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
Dimensions (WxDxH)	44.25 cm x 20.02 cm x 4.39 cm
Weight	2.41 kg
Localisation	English / United Kingdom
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 24 ports - L3 - Managed - stackable
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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

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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	24 x 1000Base-T RJ-45 4 x Gigabit / 10Gbit LAN SFP+ 1 x serial (console)
Expansion Slots	1 (total) / 1 (free) x Expansion Slot
Installed Modules Qty (Max)	0 (installed) / 4 (max)

Power

Power Device	Internal power supply
Installed Qty	1
Voltage Required	AC 120/230 V
Power Consumption Operational	29.3 Watt
80 PLUS Certification	80 PLUS Silver

Miscellaneous

Included Accessories	Mounting screws,4 mounting ears,4 bumper feet,cable tie
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
Localisation	English / United Kingdom

Software / System Requirements

Software Included	Command Line Interface (CLI),HP Web browser,HP Intelligent Management Center
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Dimensions & Weight

Width	44.25 cm
Depth	20.02 cm
Height	4.39 cm
Weight	2.41 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)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	15 - 90% (non-condensing)

What's in the box

Aruba 2930F 24G 4SFP+

Mounting screws,4 mounting ears,4 bumper feet,cable tie

Product data is provided by CNET,we do not warrant the accuracy and completeness of the material contained in this data sheet