# HPE Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch(JL683A#ACC)
HPE Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch - Switch - L3 - Managed - 24 x 10/100/1000 (PoE) + 4 x 1 Gigabit / 10 Gigabit SFP+ - rack-mountable - PoE (195 W)

The Aruba Instant On 1930 switch series is designed for small and growing businesses that require enhanced performance to support bandwidth-demanding applications. The Aruba Instant On 1930 switch series seamlessly integrates with existing Instant On indoor/outdoor access points and can be centrally managed with the Instant On mobile app onsite or remotely.



## Key Selling Points

Seven advanced smart managed Layer 2+ Gigabit switches for high-performance connectivity
Aruba Instant On mobile app and/or cloud-based web portal for easy network management onsite or remotely
Option to manage your switches through local web GUI

## Product Features

### Simplify network deployment and management for small organizations

The Aruba Instant On 1930 switch series features easy-to-use,out-of-the-box,plug-and-play deployment. The series offers a complete portfolio of choices for increased small business flexibility. The 24-port model includes four SFP/SFP+ transceiver slots that support Gigabit or 10-Gigabit speeds for fiber connectivity. The Aruba Instant On 1930 switch series can be deployed using two management modes - Instant On cloud-management (access via mobile app and/or web portal) and the local web GUI.

### Keep your business protected with integrated security features

The Aruba Instant On 1930 switch series supports energy efficient Ethernet for lower power consumption and an enhanced feature set for more robust operation. Enhanced security features such as IEEE 802.1x,and VLANs guard your network from unwanted or unauthorized access. Automatic denial-of-service (DOS) monitors and protects the network against malicious attacks. Management security restricts access to critical configuration commands,offers multiple privilege levels with password protection.

### Deliver high performance

The Aruba Instant On 1930 switch series delivers advanced functionalities including customizable like VLANs,link aggregation,Spanning Tree Protocols,and IEEE 802.1X access control. Class 4 PoE options allow to power devices like IP phones,surveillance cameras and access points,without the cost of additional cabling. The 24-port model includes 1G/10G SFP+ ports for reliable fiber connectivity and other connections across longer distances.

## Main Specifications

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|---|---|
| Product Description | HPE Aruba Instant On 1930 24G Class4 PoE 4SFP/SFP+ 195W Switch - switch - 28 ports - Managed - rack-mountable |
| Device Type | Switch - 28 ports - L3 - Managed |
| Enclosure Type | Rack-mountable 1U |
| Subtype | Gigabit Ethernet |
| Ports | 24 x 10/100/1000 (PoE) + 4 x 1 Gigabit / 10 Gigabit SFP+ |
| Power Over Ethernet (PoE) | PoE |
| PoE Budget | 195 W |
| Performance | Switching capacity: 128 Gbps ¦Throughput: 95.23 Mpps ¦Latency (1 Gbps): 2.4 µs ¦Latency (10 Gbps): 1.3 µs |
| Capacity | Link aggregation ports: 8 ¦IPv4 routes (static): 32 ¦VLANs supported: 256 ¦Access Control Entries (ACEs) per ACL: 480 ¦Packet buffer size: 1.5 MB |
| MAC Address Table Size | 16000 entries |
| Jumbo Frame Support | 9216 bytes |
| Routing Protocol | Static IP routing |
| Remote Management Protocol | SNMP 1,RMON,SNMP 3,SNMP 2c,HTTP,HTTPS,TFTP,RADIUS |

| Features | Flow control,DHCP support,ARP support,VLAN support,auto-uplink (auto MDI/MDI-X),IGMP snooping,IPv6 support,half duplex mode,full duplex mode,Spanning Tree Protocol (STP) support,Multiple Spanning Tree Protocol (MSTP) support,Access Control List (ACL) support,Quality of Service (QoS),Trusted Platform Module (TPM),LLDP support,Link Aggregation Control Protocol (LACP),Energy Efficient Ethernet,Class of Service (CoS),BPDU Filter,PoE Class 4 |
|---|---|
| Compliant Standards | IEEE 802.3,IEEE 802.3u,IEEE 802.1D,IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3af,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1x,IEEE 802.1s,IEEE 802.1ab (LLDP),IEEE 802.3at,IEEE 802.3az,IEEE 802.2af |
| Power | AC 120/230 V (50/60 Hz) |
| Dimensions (WxDxH) | 44.25 cm x 26.47 cm x 4.39 cm |
| Weight | 3.5 kg |
| Localisation | English / United Kingdom |
| Manufacturer Warranty | Limited lifetime warranty |

## Extended Specification

### General

| Device Type | Switch - 28 ports - L3 - Managed |
|---|---|
| Enclosure Type | Rack-mountable 1U |
| Subtype | Gigabit Ethernet |
| Ports | 24 x 10/100/1000 (PoE) + 4 x 1 Gigabit / 10 Gigabit SFP+ |
| Power Over Ethernet (PoE) | PoE |
| PoE Budget | 195 W |
| Performance | Switching capacity:128 Gbps<br>Throughput:95.23 Mpps<br>Latency (1 Gbps):2.4 µs<br>Latency (10 Gbps):1.3 µs |
| Capacity | Link aggregation ports:8<br>IPv4 routes (static):32<br>VLANs supported:256<br>Access Control Entries (ACEs) per ACL:480<br>Packet buffer size:1.5 MB |
| MAC Address Table Size | 16000 entries |
| Jumbo Frame Support | 9216 bytes |
| Routing Protocol | Static IP routing |
| Remote Management Protocol | SNMP 1,RMON,SNMP 3,SNMP 2c,HTTP,HTTPS,TFTP,RADIUS |
| Encryption Algorithm | SSL |
| Authentication Method | RADIUS |
| Features | Flow control,DHCP support,ARP support,VLAN support,auto-uplink (auto MDI/MDI-X),IGMP snooping,IPv6 support,half duplex mode,full duplex mode,Spanning Tree Protocol (STP) support,Multiple Spanning Tree Protocol (MSTP) support,Access Control List (ACL) support,Quality of Service (QoS),Trusted Platform Module (TPM),LLDP support,Link Aggregation Control Protocol (LACP),Energy Efficient Ethernet,Class of Service (CoS),BPDU Filter,PoE Class 4 |
| Compliant Standards | IEEE 802.3,IEEE 802.3u,IEEE 802.1D,IEEE 802.1Q,IEEE 802.3ab,IEEE 802.1p,IEEE 802.3af,IEEE 802.3x,IEEE 802.3ad (LACP),IEEE 802.1w,IEEE 802.1x,IEEE 802.1s,IEEE 802.1ab (LLDP),IEEE 802.3at,IEEE 802.3az,IEEE 802.2af |
| Processor | 1 x ARM Cortex-A9:800 MHz |
| RAM | 512 MB SDRAM |
| Flash Memory | 256 MB |

| Status Indicators | Port status,power,PoE |
|---|---|

## Expansion / Connectivity

| Interfaces | 24 x 10/100/1000 Base-T RJ-45 PoE - 195 W<br>4 x 1/10Gbit LAN SFP+ |
|---|---|

## Power

| Power Device | Internal power supply |
|---|---|
| Voltage Required | AC 120/230 V (50/60 Hz) |
| Power Consumption Operational | 234 Watt |

## Miscellaneous

| MTBF | 76 years |
|---|---|
| Compliant Standards | VCCI,CISPR 24,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,UL 60950-1,IEC 60950-1,EN 60950-1,CSA C22.2 No. 60950-1,EN 60825-1,CNS 13438,EN 55024:2010,FCC CFR47 Part 15 A,ICES-003 issue 6 Class A,UL 62368-1 Second Edition,CISPR 32 Class A,EN 62368-1:2014,EN 55032:2015+AC:2016,CISPR 35,SSL,IEC 62368-1:2014 Second Edition,EN 55035:2017 |
| Localisation | English / United Kingdom |

## Dimensions &Weight

| Width | 44.25 cm |
|---|---|
| Depth | 26.47 cm |
| Height | 4.39 cm |
| Weight | 3.5 kg |

## Manufacturer Warranty

| Service &Support | Limited warranty - lifetime |
|---|---|

## Environmental Parameters

| Min Operating Temperature | 0 °C |
|---|---|
| Max Operating Temperature | 40 °C |
| Humidity Range Operating | 15 - 95% (40 °C) |
| Min Storage Temperature | -40 °C |
| Max Storage Temperature | 70 °C |
| Humidity Range Storage | 15 - 95% (60 °C) |