



# Aruba Instant On 1430 Switch Series

Unmanaged switches designed for small businesses

Perfect for small offices and home offices

Technology brings new revenue opportunities, more effective communication, and improved productivity to businesses of all sizes. Yet it also poses daily challenges of configuration and maintenance, especially for small businesses who lack IT support. Small offices and home offices need reliable network connectivity that's fast, configuration-free, and affordable for even the most budget-strapped businesses.

The Aruba Instant On 1430 Switch Series is a plug-and-play unmanaged switch series for small businesses looking for simple, reliable, and low-cost network connectivity. These easy-to-use switches deliver Layer 2 Gigabit Ethernet switching capabilities — at an affordable price point — to help connect and share common resources like printers and access points, without any complicated network configuration. With plug-and-play operation, fully automated functions, zero ongoing maintenance, and Power over Ethernet (PoE) models, these switches deliver simple, reliable connectivity for the smallest SMBs and home offices.

## KEY FEATURES

Unmanaged Layer 2 Gigabit Ethernet switch series ready to deploy in 5-, 8-, 16-, 24-, and 26-port models

Up to 124W of PoE to power APs, IP Phones, and other IoT devices

No configuration or management needed

Plug-and-play with fully automated functions and zero ongoing maintenance

Quality of Service (QoS) and flow control for improved network efficiency

Fan-less with Energy Efficient Ethernet for low power consumption

Class B certified for home office networks (5 and 8 port models)

## HIGHLIGHTS



### Simplicity at its best

Plug-and-play switches that work right out of the box

Zero configuration required



### Reliable connectivity

Connect faster with Gigabit Ethernet speed

PoE to power devices like APs and IP phones



### We've got you covered

Industry-leading limited lifetime warranty and support

24 x 7 chat support for entire warranty period

The Aruba Instant On 1430 Switch Series includes seven switches in PoE and non-PoE configurations: one (1) 5-port, two (2) 8-port, two (2) 16-port, one (1) 24-port, and one (1) 26-port model with 2 SFP uplinks models. With the PoE models, you get up to 30W PoE per port power delivery for Class 4 PoE devices like access points, surveillance cameras

and VoIP phones. The 8-port and 16-port PoE models come with the power budget of 64W and 124W respectively to support the latest IoT devices. All switches are fan-less, making them ideal for acoustically sensitive areas, and unmanaged requiring no configuration (not managed by Aruba Instant On management).

**THE INSTANT ON DIFFERENTIATORS**

**BETTER TOGETHER**

Aruba Instant On products work together to provide a seamless Wi-Fi experience. Wired and wireless voice traffic is prioritized with high QoS priority end-to-end for optimal voice performance.

**INDUSTRY-LEADING SUPPORT AND WARRANTY**

Expert-level support and industry-leading limited lifetime warranty are also included, along with chat support for the life of the product.

**KEY FEATURES**

**PLUG-AND-PLAY**

**Gigabit Ethernet speeds**

Supports half/full-duplex auto-negotiating capability on access ports that doubles the throughput of every port.

**Long distance fiber connectivity**

26-port model includes two 1G SFP fiber ports for uplinks and to support long distance connectivity using fiber transceivers, for a total of 28 Ethernet ports.

**Simplified cabling**

Automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports using Auto MDI/MDI-X.

**Ethernet Alliance PSE Class 4 PoE Certification**


Power Over Ethernet (PoE) functionality is supported on two 1430 models that provide up to 30 W per port, which allows support of Class 4 PoE or IEEE 802.3at-capable devices such as video IP phones, wireless access points, as well as any 15.4 W IEEE 802.3af compliant end device, thereby eliminating the need for additional electrical cabling and circuits.

**EAPoL frames forwarding**

802.1x EAP over LAN frames are forwarded through the switch so that clients can authenticate when the device gives connectivity between an authenticator and supplicants.

**STP BPDU frames forwarding**

The switch forwards the BPDU frames to make sure that Spanning Tree Protocol works correctly preventing loops in the topology.

Brand	Standard	Class	Min. power at the PSE port	Max. power at the PD port	Wire usage	EA Certified Logo
PoE 1	IEEE 802.3 af	0-3	15.4W	13W	2 pair	
	IEEE 802.3 at	4	30W	25.5W		

**TRAFFIC OPTIMIZATION**

**Prioritize voice and video**

Quality of Service provides priority of time-sensitive packets (like VoIP and video) over other traffic based on DSCP or IEEE 802.1p classification.

**Flow control**

Provides a flow-throttling mechanism propagated through the network to prevent packet loss at a congested node.

**Jumbo frame support**

Provides up to 9216 bytes frame size to improve the performance of large data transfers.

## KEY FEATURES

### ENERGY EFFICIENCY

#### Energy Efficient Ethernet (EEE)

Compliant with 802.3az standard requirements to save energy during periods of low data activity.

#### Fan-less operation

Requires less power to operate and enables quiet operation in acoustically sensitive environments.

### WARRANTY, SERVICE AND SUPPORT

Aruba Instant On Limited Lifetime Support provides 24X7 phone support for the first 90 days and chat support for the entire warranty period. Community support is included for the life of the product.

Refer to the Hewlett Packard Enterprise website at [hpe.com/networking/services](https://hpe.com/networking/services) for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

**TECHNICAL SPECIFICATIONS**

	Aruba Instant On 1430 5G Switch (R8R44A)	Aruba Instant On 1430 8G Switch (R8R45A)	Aruba Instant On 1430 8G Class4 PoE 64W Switch (R8R46A)	Aruba Instant On 1430 16G Switch (R8R47A)	Aruba Instant On 1430 16G Class4 PoE 124W Switch (R8R48A)	Aruba Instant On 1430 24G Switch (R8R49A)	Aruba Instant On 1430 26G 2SFP Switch (R8R50A)
<b>I/O ports and slots</b>							
	5 RJ-45 autosensing 10/100/1000 ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	8 RJ-45 autosensing 10/100/1000 ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	8 RJ-45 autosensing 10/100/1000 Class 4 PoE ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	16 RJ-45 autosensing 10/100/1000 ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	16 RJ-45 autosensing 10/100/1000 Class 4 PoE ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	24 RJ-45 autosensing 10/100/1000 ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	26 RJ-45 autosensing 10/100/1000 ports  (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only  2 SFP 1GbE ports
<b>Physical Characteristics</b>							
Dimensions	93(d) x 116(w) x 26(h) mm	138(d) x 157(w) x 37(h) mm	150(d) x 177(w) x 37(h) mm	258(d) x 275(w) x 44(h) mm	260(d) x 275(w) x 44(h) mm	225(d) x 340(w) x 44(h) mm	225(d) x 388(w) x 44(h) mm
Weight	0.60 lb (0.27 kg)	1.30 lb (0.59 kg)	1.70 lb (0.77 kg)	3.80 lb (0.1.72 kg)	4.60 lb (2.09 kg)	4.20 lb (1.91 kg)	5.00 lb (2.27 kg)
<b>Processor and Memory</b>							
	2Kb EEPROM; Packet buffer size: 1.0 Mb	128Kb EEPROM; Packet buffer size: 2.0 Mb	128Kb EEPROM; Packet buffer size: 2.0 Mb	128Kb EEPROM; Packet buffer size: 2.0 Mb	128Kb EEPROM; Packet buffer size: 2.0 Mb	128Kb EEPROM; Packet buffer size: 2.0 Mb	32Mb Flash; Packet buffer size: 12.0 Mb
<b>Performance</b>							
100 Mb latency	< 3.81 μSec	< 2.7 μSec	< 2.7 μSec	< 2.7 μSec	< 2.7 μSec	< 2.7 μSec	< 5.21 μSec
1000 Mb latency	< 0.93 μSec	< 1.80 μSec	< 1.80 μSec	< 1.80 μSec	< 1.80 μSec	< 1.80 μSec	> 2.90 μSec
Throughput (Mpps)	7.44 Mpps	11.90 Mpps	11.90 Mpps	23.80 Mpps	23.80 Mpps	35.71 Mpps	41.68 Mpps
Capacity	10 Gbps	16 Gbps	16 Gbps	32 Gbps	32 Gbps	48 Gbps	56 Gbps
MAC address table size	8192 entries	8192 entries	8192 entries	8192 entries	8192 entries	8192 entries	16384 entries
Reliability MTBF (years)	525.8	416.2	131.1	269.8	126.1	199.5	171.9





**TECHNICAL SPECIFICATIONS**

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<b>Mounting</b>								
Mounting positions and supported racking	<p>Supports table-top mounting</p> <p>Supports wall-mounting with ports facing either up or down using base surface mounting holes</p> <p>Supports under-table mounting using base surface mounting holes</p>	<p>Supports table-top mounting</p> <p>Supports wall-mounting with ports facing either up or down using base surface mounting holes</p> <p>Supports under-table mounting using base surface mounting holes</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>	<p>Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included</p> <p>Supports table-top mounting</p> <p>Supports rack-mounting using the brackets provided</p> <p>Supports wall-mounting with ports facing either up or down using either the base surface mounting holes, or the brackets provided</p> <p>Supports under-table mounting using the brackets provided</p> <p>Must be mounted top surface up. To prevent possible impact to long-term reliability, product should not be mounted upside-down</p>
<b>Transceivers</b>								
							<p>Aruba 1G SFP LC LX 10km SMF Transceiver (J4859D)</p> <p>Aruba Instant On 1G SFP LC SX 500m OM2 MMF Transceiver (R9D16A)</p>	

**STANDARDS AND PROTOCOLS****(APPLIES TO ALL PRODUCTS IN SERIES)**

General Protocols	
IEEE 802.3i	10 Mbps Ethernet
IEEE 802.3u	100Base-T Ethernet
IEEE 802.3z	1000 Mbps Ethernet
IEEE 802.3ab	1000Base-T
IEEE 802.3af	PoE1 (PoE models only)
IEEE 802.3at	PoE1 (PoE models only)
IEEE 802.3x	Flow Control
IEEE 802.3az	Energy Efficient Ethernet
RFC 2474	QoS diffserv (DSCP) mapping



## ORDERING INFORMATION

## Aruba Instant On 1430 Switch Series

Part Number	Description	Ports	Uplink Ports	Class 4 PoE Power Budget
R8R44A	Aruba Instant On 1430 5G Switch	5	-	-
R8R45A	Aruba Instant On 1430 8G Switch	8	-	-
R8R46A	Aruba Instant On 1430 8G Class4 PoE 64W Switch	8	-	64W
R8R47A	Aruba Instant On 1430 16G Switch	16	-	-
R8R48A	Aruba Instant On 1430 16G Class4 PoE 124W Switch	16	-	124W
R8R49A	Aruba Instant On 1430 24G Switch	24	-	-
R8R50A	Aruba Instant On 1430 26G 2SFP Switch	26	2 SFP	-

## 3 and 5 year support options

Product SKU	Support SKU	Support SKU Description
R8R44A	H36PQE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 5G Switch Service
R8R44A	H36PRE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 5G Switch Service
R8R45A	H36PSE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 8G Switch Service
R8R45A	H36PTE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 8G Switch Service
R8R46A	H36PVE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 8G Class4 PoE 64W Switch Service
R8R46A	H36PWE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 8G Class4 PoE 64W Switch Service
R8R47A	H36PXE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 16G Switch Service
R8R47A	H36PYE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 16G Switch Service
R8R48A	H36PZE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 16G Class4 PoE 124W Switch Service
R8R48A	H36QBE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 16G Class4 PoE 124W Switch Service
R8R49A	H36QCE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 24G Switch Service
R8R49A	H36QDE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 24G Switch Service
R8R50A	H36QFE	Aruba 3 Year Foundation Care Next Business Day Exchange 1430 26G 2SFP Switch Service
R8R50A	H36QGE	Aruba 5 Year Foundation Care Next Business Day Exchange 1430 26G 2SFP Switch Service

(Go to [Support Services Central](#) to locate Foundation Care SKUs for switches.)