

Aruba R8R47A

Datasheet

Product Overview

- Aruba brings reliable networking to the forefront with the Instant On Switch 1430 Series, engineered for business connectivity.
- The series is ideal for small offices and home-based businesses needing hassle-free, budget-friendly, and robust network solutions.
- Key hardware specs include gigabit Layer 2 switching, multiple PoE and non-PoE options, and silent, fanless operation.
- Automatic plug-and-play functions and Power over Ethernet support simplify device integration and network expansion.
- Deploy easily in any setting—desktop, wall, or rack—without the need for ongoing configuration or management.
- The Aruba Instant On 1430 ensures essential resources like printers and access points are connected smoothly, driving efficiency for small business environments.

Product Highlights

- **Multiple Form Factors:** Available in 5, 8, 16, 24, and 26-port models to suit offices of all sizes with flexible deployment options.
- **Power over Ethernet Support:** Provides up to 124W of PoE to power wireless access points, IP phones, and key IoT devices directly.
- **Zero Configuration Needed:** No management or setup required, delivering effortless plug-and-play installation for immediate use.
- **Energy Efficient & Silent:** Fan-less design and Energy Efficient Ethernet reduce power consumption and maintain quiet operation for offices.

Detailed Features



R8R47A

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Component	Specification
Ports	16 RJ-45 autosensing 10/100/1000
Supported Standards	IEEE 802.3, 802.3u, 802.3ab
Duplex Modes	10/100: half/full; 1000: full only
Type	Layer 2, unmanaged
Form Factor	Rack/table/wall/under-table mounting options



Unmanaged Network Simplicity

Aruba Instant On 1430 Switch Series delivers unmanaged Layer 2 Gigabit Ethernet connectivity with multiple PoE and non-PoE models for versatile deployment in growing small businesses and remote offices seeking dependable networking.

Integrated Class 4 PoE Delivery

Select PoE models provide up to 30W per port for wireless access points, surveillance cameras, and VoIP phones. The 8-port and 16-port PoE units offer dedicated power budgets of 64W and 124W, enabling flexible support for evolving IoT needs.

Flexible Uplink Capabilities

The 26-port model includes two dedicated 1G SFP fiber uplinks to extend network reach for long-distance or backbone connections, increasing the total available Ethernet ports to 28 and maximizing network scaling for growth.

Lifetime Technical Support

Enjoy Aruba Instant On Limited Lifetime support with 24x7 phone access for the first 90 days, plus ongoing chat and active community resources throughout the products entire service life, ensuring reliability with expert solutions.

Effortless Plug-and-Play

Installation is streamlined with zero required configuration and complete automation, while PoE models offer seamless device powering. Maintenance-free design ensures a true 'fit-and-forget' operation in busy locations.

Versatile Mounting Options

Adapt your installation as needed with table-top, under-table, wall-mount, and rack-mount options, all supported by automatic cable detection (Auto MDI/MDI-X) for flexible layouts and simplified cabling.

Energy Efficient Operation

Compliant with IEEE 802.3az standards, the switch supports Energy Efficient Ethernet, reducing power usage during low network activity. All models feature a fanless design for silent, unobtrusive performance.

Optimized Traffic Handling

Quality of Service gives prioritized treatment to time-sensitive flows such as VoIP and video, while jumbo frame and flow control capabilities ensure larger transfers and congestion are handled without packet loss.

Technical Specifications

Product Specifications

Feature	Value
I/O ports and slots	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 Modes	10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
Dimensions	258(d) x 275(w) x 44(h) mm
Weight	3.80 lb (01.72 kg)
Processor	128Kb EEPROM
Packet buffer size	2.0 Mb
100 Mb latency	< 2.7 µSec
1000 Mb latency	< 1.80 µSec
Throughput (Mpps)	23.80 Mpps
Capacity	32 Gbps
MAC address table size	8192 entries
Reliability MTBF (years)	269.8
Operating temp	32°F to 104°F (0°C to 40°C)



Feature	Value
Operating humidity	15% to 95% @ 104°F (40°C) non-condensing
Storage temp	–40°F to 158°F (–40°C to 70°C) up to 15000 ft
Storage humidity	15% to 95% @ 149°F (65°C) non-condensing
Altitude	up to 10,000 ft (3 km)
Acoustics	Fanless
Frequency	50Hz/60Hz
AC voltage	100–127VAC / 200–240VAC
Current	0.2A/0.2A
Max power rating	7.9W
Idle power	2.3W
PoE power	–
Power Supply	Internal Power Supply
Safety	EN/IEC 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013
EN/IEC 62368-1, 2nd. & 3rd. Ed.	
UL 62368-1, 3rd. Ed.	
CAN/CSA C22.2 No. 62368-1, 3rd. Ed.	
EN/IEC 60825-1:2018	
Emissions	EN 55032:2015/ CISPR 32, Class A
FCC CFR 47 Part 15: 2018, Class A	
ICES-003, Class A	
VCCI-32, Class A	
CNS 13438, Class A	
KS C 9832, Class A	
AS/NZS CISPR 32, Class A	
Immunity	BS/EN 55035, CISPR 35, KS C 9835
Generic	EN 55035, CISPR 35
EN	EN/IEC 61000-4-2
ESD	EN/IEC 61000-4-3
Radiated	EN/IEC 61000-4-4
EFT/Burst	EN/IEC 61000-4-5



Feature	Value
Surge	EN/IEC 61000-4-6
Conducted	EN/IEC 61000-4-8
Power frequency magnetic field	EN/IEC 61000-4-11
Voltage dips and interruptions	EN/IEC 61000-3-2
Harmonics	EN /IEC 61000-3-3
Device Management	Unmanaged
Mounting positions and supported racking	Mounts in an EIA standard 19 in telco rack or equipment cabinet. 2-post rack kit included
Table-top mounting	Supported
Rack-mounting	Using brackets provided
Wall-mounting	Ports facing either up or down using either the base surface mounting holes or brackets provided
Under-table mounting	Using brackets provided
Mounting orientation	Must be mounted top surface up. Do not mount upside-down to prevent reliability impact



Product Comparison

Feature	R8R47A	C1000-24P-4G-L	JL253A
Port Count	16 x 10/100/1000 RJ-45	24 x 10/100/1000 RJ-45 + 4 x 1G SFP	24 x 10/100/1000 RJ-45 + 4 x 1G SFP
PoE Support	No	Yes (PoE 195W)	No
Switching Capacity	32 Gbps	52 Gbps	56 Gbps
Forwarding Rate	23.80 Mpps	38.69 Mpps	41.7 Mpps
Fan Design	Fanless	Fanless	Fanless
Management	Unmanaged	Unmanaged	Unmanaged
Power Supply	Internal	Internal	Internal
Mounting Options	Rack, wall, tabletop, under-table	Rack, wall, tabletop	Rack, wall, tabletop
QoS Support	Yes	Yes	Yes
Target Use Case	Small business, silent office	Small-medium business, PoE endpoints	General SMB, SFP uplink needed

Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> - Power Adapter - Mounting Bracket - Quick Installation Guide
Optional Accessories	<ul style="list-style-type: none"> - SFP Transceiver - Ethernet Patch Cable - Cable Management Kit



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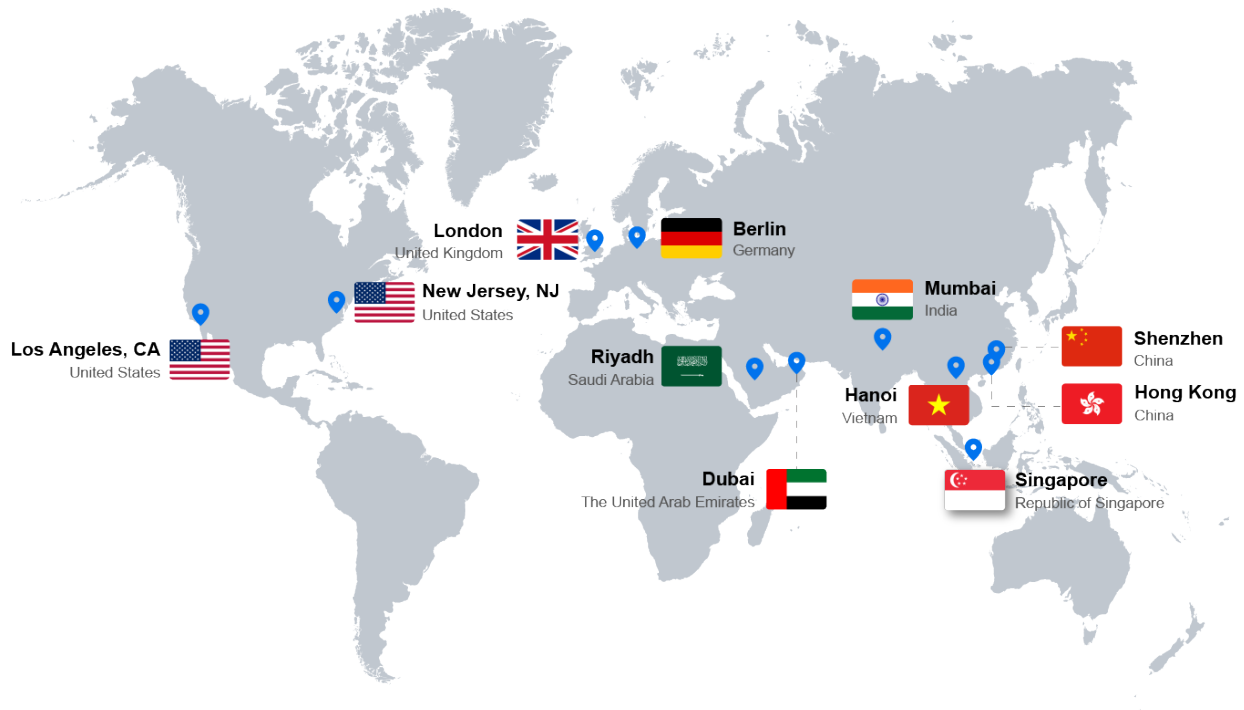
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References

[1] HPE Networking. (2024). HPE Networking Instant On Switch 1430 Series Datasheet. Retrieved from https://www.hpe.com/psnow/doc/a50004290enw.html?jumpid=in_pdp-psnow-qs