HPE Aruba Instant IAP-314 (RW)

Radio access point - Wi-Fi 5 - 2.4 GHz - 5 GHz - in-ceiling

Group	Network Equipment
Manufacturer	HPE
Manufacturer item no.	JW805A
EAN/UPC	0190017041360

Description

The Aruba 310 Series access points deliver high performance and superb user experience for mobile devices, Internet of Things (IoT) devices, and applications in dense office environments. Featuring the 4x4:4SS MU-MIMO capability, advanced Aruba ClientMatch radio management, and Aruba Beacon technologies, the 310 Series enables an all-wireless digital work environment in a cost-effective manner.

With a maximum concurrent data rate of 1,733 Mbps in the 5 GHz band and 400 Mbps in the 2.4 GHz band, the 310 Series access points can quickly add required capacities to your existing or wireless networks. The mid-range 310 Series, with its single gigabit Ethernet uplink, is ideal for high device density environments, such as schools, retail branches, hotels and enterprise offices, where the organization is cost sensitive.

The high performance and high density 802.11ac 310 Series supports 160 MHz channel bandwidth, multi-user MIMO (MU-MIMO) and 4 spatial streams (4SS). It provides simultaneous data transmission to multiple devices, maximizing data throughput and improving network efficiency.

The 310 Series includes the enhanced ClientMatch technology that extends the client steering technology with MU-MIMO client awareness. It automatically identifies MU-MIMO capable mobile devices and steers those devices to the closest MU-MIMO capable Aruba access point. By grouping MU-MIMO capable mobile devices together, the network starts taking advantage of the simultaneous transmission to these devices, increasing its overall capacity. These dynamic roaming policies that are based on device types, help users achieve the best WLAN performance in a mixed device environment during the technology transition period.

The 310 Series also has an integrated Bluetooth Aruba Beacon that simplifies the remote management of a network of large-scale battery-powered Aruba beacons while also providing advanced location and indoor way finding, and proximity-based push notification capabilities. It enables businesses to leverage mobility context to develop applications that will deliver an enhanced user experience and increase the value of the wireless network for organizations.

Main features

Product Description	HPE Aruba Instant IAP-314 (RW) - radio access point
Device Type	Radio access point
Form Factor	In-ceiling - indoor
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Frequency Band	2.4 GHz, 5 GHz
Performance	Concurrent data rate (5 GHz): 1733 Mbps ¦ Concurrent data rate (2.4 GHz): 400 Mbps ¦ Peak data rate: 2.1 Gbps
Capacity	Wireless clients per Wi-Fi radio: 255 ¦ BSSIDs per radio: 16
Included Accessories	2 mounting clips

Power Over Ethernet (PoE) Supported	PoE
Dimensions (WxDxH)	18.2 cm x 18 cm x 4.8 cm
Weight	650 g

Extended details

	General
Device Type	Radio access point
Ruggedized Design	Indoor
Width	18.2 cm
Depth	18 cm
Height	4.8 cm
Weight	650 g
	Networking
Form Factor	In-ceiling
Connectivity Technology	Wireless
Data Transfer Rate	1733 Mbps
Line Coding Format	CCK, 64 QAM, 256 QAM, BPSK, QPSK, 16 QAM
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Spread Spectrum Method	OFDM, DSSS
Frequency Band	2.4 GHz, 5 GHz
Performance	Concurrent data rate (5 GHz): 1733 Mbps ¦ Concurrent data rate (2.4 GHz): 400 Mbps ¦ Peak data rate: 2.1 Gbps
Capacity	Wireless clients per Wi-Fi radio: 255 ¦ BSSIDs per radio: 16
Status Indicators	System, status
Features	Auto-sensing per device, auto-uplink (auto MDI/MDI-X), DFS support, Quality of Service (QoS), reset button, Adaptive Radio Management (ARM), Maximum Ratio Combining (MRC), Low Density Parity Check (LDPC), Transmit Beam-forming (TxBF) ready, Energy Efficient Ethernet, Cyclic Delay Diversity (CDD), Space Time Blocking Code (STBC), 4T4R MIMO technology, security lock slot (cable lock sold separately), Advanced Cellular Coexistence (ACC), cyclic shift diversity (CSD), MU-MIMO technology, Aruba Beacons Bluetooth Low-Energy (BLE) technology
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.3af, IEEE 802.11g, Wi-Fi CERTIFIED, IEEE 802.11n, IEEE 802.3at, IEEE 802.3az, IEEE 802.11ac

Antenna	External detachable
Antenna Qty	4
Expansion / Connectivity	
Interfaces	1 x 1000Base-T - RJ-45 ¦ 1 x USB 2.0 - Type A ¦ 4 x aerial - RP-SMA
Miscellaneous	
Included Accessories	2 mounting clips
MTBF	916,373 hours
Compliant Standards	EN 60950, IEC 60950, UL 60950, CB, UL 2043, FCC, EN 60601-1-2, cTUVus, EN 300 328, EN 301 489, EN 60601-1-1, LVD 72/23/EEC, R&TTE Directive 1999/5/EC, EN 301 893
Power	
Power Over Ethernet (PoE) Supported	PoE
Power Consumption Operational	14.4 Watt
Software / System Requirements	
OS Provided	InstantOS
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	50 °C
Humidity Range Operating	5 - 93% (non-condensing)

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