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Overview

JX945A is the Aruba Instant IAP-305 (RW) 802.11n/ac Dual 2x2:2/3x3:3 MU-MIMO Radio Integrated Antenna AP. The entry-level Aruba 300 Series Wave 2 access points deliver high performance and superb user experience for medium density environments. Featuring 3x3:3SS MU-MIMO capability, Aruba advanced ClientMatch radio management, and integrated Aruba Beacons, the 300 Series enables an all wireless digital work environment in an effective cost manner.

Quick Spec

Table 1 shows the quick spec.

SKU	JX945A
Description	Aruba Instant IAP-305 (RW) 802.11n/ac Dual 2x2:2/3x3:3 MU-MIMO Radio Integrated Antenna AP
Product Type	Wireless Access Point
Product Model	AP-305
Wireless LAN Standard	IEEE 802.11ac
Wireless Transmission Speed	1.70 Gbit/s
Limited Warranty	Lifetime
TAA Compliant	Yes

Product Details

Figure 1 shows the front panel of JX945A.



Figure 2 shows the back panel of JX945A.



The benefits of AP-300 include:

- Dual Radio 802.11ac Access Point with Multi-User MIMO
- Supports up to 1,300 Mbps in the 5GHz band (with 3SS/VHT80 clients) and up to 300 Mbps in the 2.4GHz band (with 2SS/HT40 clients).
- Built-in Bluetooth Low-Energy (BLE) radio
- Enables location-based services with BLE-enabled mobile devices receiving signals from multiple Aruba Beacons at the same time.
- Enables management of your deployment of battery powered Aruba Beacons.
- Advanced Cellular Coexistence (ACC)
- Minimizes interference from 3G/4G cellular networks, distributed antenna systems and commercial small cell/femtocell equipment.
- Quality of service for Unified Communication apps
- Supports priority handling and policy enforcement for unified communication apps, including Microsoft Skype for Business with encrypted videoconferencing, voice, chat and desktop sharing.
- RF Management
- Adaptive Radio Management (ARM) technology automatically assigns channel and power settings, provides airtime fairness, and ensures that APs stay clear of all sources of RF interference to deliver reliable, high-performance WLANs.
- The Aruba 300 Series APs can be configured to provide part-time or dedicated air monitoring for spectrum analysis and wireless intrusion protection, VPN tunnels to extend remote locations to corporate resources, and wireless mesh connections where Ethernet drops are not available.
- Intelligent app visibility and control
- AppRF technology leverages deep packet inspection to classify and block, prioritize, or limit bandwidth for thousands of applications in a range of categories.
- Security
- Integrated wireless intrusion protection offers threat protection and mitigation, and eliminates the need for separate RF sensors and security appliances.
- IP reputation and security services identify, classify, and block malicious files, URLs and IPs, providing comprehensive protection against advanced online threats.
- Integrated Trusted Platform Module (TPM) for secure storage of credentials and keys.
- Intelligent Power Monitoring (IPM)
- Enables the AP to continuously monitor and report its actual power consumption and optionally make autonomous decisions to disable certain capabilities.
- For the 300 Series APs, the IPM power-save feature applies when the unit is powered by an 802.3af PoE source. By default, the USB interface will be the first feature to turn off if AP power consumption exceeds the available power budget. In rare cases it may be necessary to take additional power saving measures, but in most cases, the 300 Series APs will operate in unrestricted mode.

The Accessories

Table 2 shows the accessories of JX945A.

Mount Kit	
JW046A	AP-220-MNT-W1 Basic Mount Kit:HP Aruba Campus AP Mounting Kits
JW047A	AP-220-MNT-W1W Mt Basic White Kit
Power Adaptor	
JW629A	PD-9001GR-AC 30W 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector

Compare to Similar Item

Table 3 shows the comparison.

SKU	JX936A	JX945A
Description	Aruba AP-305 802.11n/ac 2x2:2/3x3:3 MU-MIMO Dual Radio Integrated Antenna AP	Aruba Instant IAP-305 (RW) 802.11n/ac Dual 2x2:2/3x3:3 MU-MIMO Radio Integrated Antenna AP
Product Type	Wireless Access Point	Wireless Access Point
Product Model	AP-305	IAP-305
Wireless LAN Standard	IEEE 802.11ac	IEEE 802.11ac
Wireless Transmission Speed	1.70 Gbit/s	1.70 Gbit/s
Limited Warranty	Lifetime	Lifetime
TAA Compliant	No	Yes

Support & Resources

 [\[PDF\] Aruba 300 Series Access Points Datasheet](#)

Get more information

Do you have any question about the Aruba JX945A?

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Specification

JX945A Specification	
General Information	
Product Name	Aruba Instant IAP-305 (RW) 802.11n/ac Dual 2x2:2/3x3:3 MU-MIMO RI Antenna AP
Manufacturer Part Number	JX945A
Product Line	Instant
Product Series	300
Product Model	IAP-305
Product Type	Wireless Access Point
Technical Information	
Wireless LAN Standard	IEEE 802.11ac
Frequency Band	5 GHz 2.40 GHz
Total Number of Antennas	3
Number of Internal Antennas	3
Wireless Transmission Speed	1.70 Gbit/s
MIMO Technology	Yes
Beamforming Technology	Yes

Interfaces/Ports	
Ethernet Technology	Gigabit Ethernet
Number of Network (RJ-45) Ports	1
VGA	No
HDMI	No
USB	Yes
Powerline	No
Management Port	Yes
Physical Characteristics	
Form Factor	Ceiling Mountable
Height	1.5"
Width	6.5"
Depth	6.5"

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