

Aruba Instant On AP25 (US) 4x4 Wi-Fi 6 Indoor Access Point (R9B27A)



What's new

- Provides a high performance Dual Radio 802.11ax AP with 4 spatial streams (4X4) for higher capacity and coverage.
- This series features maximum data rates of 4.8Gbps in the 5GHz band and 574 Mbps in the 2.4GHz band (for an aggregate peak data rate of 5.3Gbps).
- Includes 2.5G Ethernet uplink port and 160 MHz channel bandwidth for increased wireless throughput.

Overview

Wi-Fi Certified 6™ Aruba Instant On AP25 Access Points deliver faster Wi-Fi speeds, greater capacity, and reduced latency between access points and devices for a superior Wi-Fi experience. With the Aruba Instant On AP25, you can upgrade your Wi-Fi network to boost performance across devices now, while preparing it for more mobile and IoT devices in the future.

Features include Orthogonal frequency-division multiple access (OFDMA), multi-user MIMO, and target wake time (TWT). With up to 4 spatial streams (4SS) and 160MHz channel bandwidth (HE160), the Aruba

- Wi-Fi 6 certification supports all mandatory 802.11ax features that include MU-MIMO, OFDMA, TWT, and more.
- Support for WPA2/WPA3 protected employee and guest login with Enhanced Open for per user guest access.
- Aruba Instant On mobile app and/or cloud-based web portal allows for easy network management onsite or remotely.

Instant On AP25 provides outstanding wireless capabilities for businesses looking to future-proof their networks.

Features

Incredible Efficiency with Wi-Fi 6

The Aruba Instant On AP25 Access Points support the Wi-Fi 6 standard, including features such as orthogonal frequency-division multiple access (OFDMA) and Multi-User MIMO (MU-MIMO), and Target Wake Time (TWT).

Aruba Instant On AP25 Access Points support features Target Wake Time (TWT) that helps establish a schedule when clients need to communicate with an access point – improving efficiency for longer battery life.

The Aruba Instant On AP25 Access Points are 100% backward compatible, allowing businesses to support multiple clients (Wi-Fi 6) and legacy (11a/b/g/n/ac) at the same time.

Higher Performance and Superior Coverage

The Aruba Instant On AP25 Access Points deliver higher capacity, efficiency, and performance to small and growing businesses with device-dense environments.

High-performance Aruba Instant On AP25 Access Points bring powerful 4 spatial streams for superior Wi-Fi coverage.

Performance benefits of Orthogonal Frequency Division Multiple Access (OFDMA) are improved, meaning increased network performance and network capacity.

160 MHz channel bandwidth delivers increased mesh throughput and Wi-Fi speed ideal for high-def video streaming and virtual reality devices.

2.5G Ethernet uplink port enhances wireless connectivity.

Safeguard Sensitive Data with WPA2/WPA3 and Enhanced Open

Aruba Instant On AP25 Access Points come with integrated Wi-Fi Alliance security standard WPA2/WPA3 and Enhanced Open support for protected wireless access.

Aruba Instant On AP25 Access Points feature integrated router, gateway, and firewall functionality.

Aruba Instant On supports Two-Factor Authentication (2FA) for additional layer of authentication, preventing attackers from remotely accessing your networks.

Create up to eight different SSIDs under one network name to keep your data safe, whether surfing the web or checking HR data.

Technical specifications

Aruba Instant On AP25 (US) 4x4 Wi-Fi 6 Indoor Access Point

Product Number	R9B27A
Certifications	EN 60601-1-1 and EN 60601-1-2 (for deployment in medical environments) Wi-Fi Alliance certified (WFA) 802.11ax with (Wi-Fi 6), WPA2, WPA3
Input voltage	Power over Ethernet (POE): 802.3at (class 4) Max power consumption (worst-case): 20.1W (PoE), 15.9W (DC) DC power (12V) Note: Power sources are sold separately unless you purchase the bundle SKU
Wi-Fi antenna	Down-tilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 3.77 dBi in 2.4GHz and 4x4 MIMO with peak antenna gain of 4.55 dBi in 5GHz (of the effective, combined pattern for both antennas in each band)
Connectivity, standard	Ultra-fast 802.11ax, 4x4:4
Ports	Uplink 2.5 Gigabit Ethernet port, with PoE-in support (802.3at) DC power connector (12V) Bluetooth Low Energy (BLE) radio LED status indicators Reset/LED control button Kensington security slot
Mounting	The access point ships with a white mount clip that can attach to both walls and ceilings. Mounts that match the design of the APs can be purchased separately
Power consumption	Max power consumption (worst-case): 20.1W (PoE), 15.9W (DC)
Radio coverage	Dual radio for simultaneous dual-band operation 5 GHz 802.11ax 4x4 MIMO for up to 4.8 Gbps wireless data rate, with Multi User MIMO support (Wi-Fi 6) 2.4 GHz 802.11ax 2x2 MIMO for up to 574 Mbps wireless data rate (Wi-Fi 6)
Warranty	Aruba Instant On 2-year* warranty includes 24X7 phone support for the first 90 days and chat support for the entire warranty period. Community support is available for the life of the product. Foundation Care provides extended support for APs. The SKUs are HK1Y0E (3 years) and H30GZE (5 years).
Product dimensions (metric)	5.1 x 20.3 cm
Weight	1.18 kg