PRODUCT DATASHEET

Aruba Instant On AP25 Access Point

Wi-Fi 6 Access Point for Small and Growing Businesses

Category: Networking — Access Points

Vendor: Aruba Instant On

Mfr. SKU: R9B28A

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Dual-radio 802.11ax access point delivering up to 5.3 Gbps aggregate data rates with WPA2/WPA3 security and simple mobile-app or cloud management — built for device-dense small and growing business environments.

Key Features at a Glance

Wi-Fi 6 Efficiency

Supports OFDMA, MU-MIMO and Target Wake Time (TWT) for higher client density and improved device battery life.

4x4 MIMO Performance

Four spatial streams and 160MHz channel bandwidth deliver up to 4.8 Gbps on the 5GHz band.

2.5G Ethernet Uplink

A 2.5 Gigabit uplink port removes the bottleneck between the access point and the wired network.

WPA2/WPA3 & Enhanced Open

Integrated Wi-Fi Alliance security standards plus two-factor authentication for protected wireless access.

Up to 8 SSIDs

Segment employee, guest and IoT traffic under a single access point with up to eight SSIDs.

Simple App/Cloud Management

Configure and monitor the network from the Aruba Instant On mobile app or cloud-based web portal — no dedicated controller required.

Specifications

Wi-Fi Standard	Wi-Fi Certified 6 (802.11ax), WPA2/WPA3
Aggregate Peak Data Rate	Up to 5.3 Gbps
5 GHz Radio	4x4 MIMO, up to 4.8 Gbps
2.4 GHz Radio	2x2 MIMO, up to 574 Mbps
Channel Bandwidth	Up to 160 MHz (HE160)
Uplink Port	2.5 Gigabit Ethernet, PoE-in (802.3at)
Power	PoE 802.3at (class 4): 20.1W max; DC (12V): 15.9W max
Bluetooth	Low Energy (BLE) radio
Certifications	Wi-Fi Alliance 802.11ax, WPA2, WPA3; EN 60601-1-1/1-2 (medical environments)
Management	Aruba Instant On mobile app or cloud web portal
Warranty	2-year, with 24x7 phone support (first 90 days) plus chat support for the warranty period

Benefits

- Faster Wi-Fi with greater capacity and lower latency
- No dedicated wireless controller required
- Simple setup via mobile app or web portal
- Backward compatible with 802.11a/b/g/n/ac clients
- Improved IoT and mobile device battery life via TWT
- Integrated router, gateway and firewall functionality

Typical Applications

Small and growing businesses | Retail | Hospitality | Healthcare & medical environments | Education | Device-dense offices

Common Use Cases

Employee and guest Wi-Fi segmentation | High-definition video streaming and VR device support | Two-factor authenticated wireless access | Controller-less small business deployments | Wi-Fi for medical environments (EN 60601 certified)

Complete Technical Specification

Incredible Efficiency with Wi-Fi 6

The AP25 supports the core Wi-Fi 6 (802.11ax) feature set, including OFDMA and Multi-User MIMO for improved network efficiency in device-dense environments, plus Target Wake Time (TWT) to schedule client communication and extend battery life on supported devices. It remains fully backward compatible with 802.11a/b/g/n/ac clients.

Higher Performance and Coverage

Four spatial streams (4x4 MIMO) combined with 160MHz channel bandwidth (HE160) provide high throughput suited to high-definition video and virtual/augmented reality use cases. A 2.5 Gigabit Ethernet uplink port is included so the wired connection isn't a bottleneck to the wireless capacity on offer.

Security: WPA2/WPA3 and Enhanced Open

The AP25 includes Wi-Fi Alliance WPA2 and WPA3 certification, plus Enhanced Open for protected per-user guest access. Integrated router, gateway and firewall functionality is built in, along with support for Two-Factor Authentication (2FA) as an additional layer of protection against remote attackers. Up to eight separate SSIDs can be created under one network to segment employee, guest and IoT traffic.

Simple Management

The Aruba Instant On mobile app or cloud-based web portal is used to set up and manage the network, on-site or remotely, without requiring a dedicated wireless controller — aimed at small and growing businesses that need enterprise-grade Wi-Fi without enterprise-level management overhead.

Full Specifications

Item	Detail
Certifications	EN 60601-1-1 and EN 60601-1-2 (medical environments); Wi-Fi Alliance 802.11ax (Wi-Fi 6), WPA2, WPA3
Input voltage	PoE: 802.3at (class 4); DC: 12V (sold separately unless bundle SKU purchased)
Max power consumption	20.1W (PoE), 15.9W (DC), worst-case
Wi-Fi antenna	Down-tilt omnidirectional; 2x2 MIMO 3.77 dBi peak gain (2.4GHz); 4x4 MIMO 4.55 dBi peak gain (5GHz)
Connectivity	802.11ax, 4x4:4
Ports	2.5 Gigabit Ethernet uplink (PoE-in, 802.3at); DC power connector (12V); Bluetooth LE radio
Indicators	LED status indicators; Reset/LED control button; Kensington security slot
Mounting	Ships with a white mount clip for wall or ceiling mounting; matching mounts available separately
Radio coverage	Dual radio, simultaneous dual-band operation
5 GHz	802.11ax 4x4 MIMO, up to 4.8 Gbps, MU-MIMO support
2.4 GHz	802.11ax 2x2 MIMO, up to 574 Mbps
Warranty	2-year Aruba Instant On warranty; 24x7 phone support (first 90 days); chat support for the warranty period; community support for the product's life; extended Foundation Care available (3 or 5 years)

Why Unified Microsystems?

Unified Microsystems supplies and deploys Aruba Instant On access points for small and growing business sites, handling site design, mobile app or cloud onboarding and ongoing support, backed by regional stock availability and lead-time

guidance.