



## Aruba Instant On AP22

High-speed Wi-Fi designed with small businesses in mind.

Perfect for reimagined offices, schools, and retail/hospitality businesses.

Small businesses are facing a number of challenges—challenges that need constant attention. The right technology can help you stay on top of them and stay ahead of the curve. Technologies like the ones found inside the AP22.

Designed with Wi-Fi 6 for higher capacity and greater performance, the competitively priced Aruba Instant On AP22 is the perfect access point for small businesses with expanding mobile, cloud, and IoT requirements.

Wi-Fi Certified 6™ AP22 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 AP22, 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.

Already have a demanding mobile and/or IoT environment? Delivering **4x the capacity** of 802.11ac access points, AP22 can provide an exceptional user experience in a broad variety of scenarios. Remote offices. Hybrid classrooms. Hotels and restaurants. Reimagined retail and hospitality. The AP22 can handle them all without breaking a sweat.

Want to make wires a thing of the past? Combine the AP22 with Smart Mesh Wi-Fi for complete wireless coverage.

Want to keep bandwidth hogs and unknown devices off your network? Banish them with the flip of your thumb on the Aruba Instant On App.

We know the critical role Wi-Fi plays in business today. No business can't afford downtime. The Aruba Instant On AP22, at every level, is designed for rapid deployment and simplified management. Be it mounting hardware, or remote device management, or having access to the latest business-grade software, the AP22 lives to make your life easier.

### KEY FEATURES

Fast 802.11ax, 2X2:2

Wi-Fi CERTIFIED 6™ (Wi-Fi 6)

MU-MIMO performance

Smart Mesh Wi-Fi support

Built-in Wi-Fi router/gateway functionality

Integrated Bluetooth

Easy-to-use web and mobile app for setup and management

Secure Guest Wi-Fi with simple setup

Application classification, control and visibility

### HIGHLIGHTS



#### Simplicity at its best

Wi-Fi that works right out of the box  
Performance that keeps your users happy



#### Security you can count on

Protection against compromised login credentials with Two-Factor Authentication  
Future-ready WPA2/WPA3/OWE authentication for secure Wi-Fi access



#### We've got you covered

No extra licensing fees  
Industry-leading warranty and support

**NEXT-GENERATION 802.11AX WI-FI FEATURES****OVERVIEW**

AP22 is a Wi-Fi CERTIFIED 6™ (Wi-Fi 6) access point that brings higher capacity, efficiency, and performance to small businesses with dense deployments. With a maximum aggregate data rate of 1.7 Gbps, AP22 access points deliver the speed and reliability small businesses need.

**ORTHOGONAL FREQUENCY-DIVISION MULTIPLE ACCESS (OFDMA)**

Allows access points (APs) to handle multiple Wi-Fi 6-capable clients on each channel simultaneously—regardless of device or traffic type. This improves efficiency by boosting overall capacity, while reducing latency.

**TARGET WAKE TIME (TWT)**

Ideal for IoTs that communicate infrequently, TWT establishes a schedule for when clients need to communicate with an AP. This helps reduce power consumption, extending the battery life of clients.

**MULTIUSER, MULTIPLE INPUT, MULTIPLE OUTPUT (MU-MIMO)**

Allows you to serve multiple clients (Wi-Fi 5 and Wi-Fi 6) at the same time.

**1024-QUADRATURE AMPLITUDE MODULATION (1024-QAM)**

Enables a 25% data increase over 256 QAM, improving throughput in your access points and devices.

**TRUSTED PLATFORM MODULE (TPM)**

All Aruba Instant On access points have an installed TPM for secure storage of credentials, keys, and boot codes.

**BASIC SERVICE SET COLORING (BSS COLORING)**

Allows the network to assign a “color” tag to a channel and reduce the threshold for interference. Network performance is improved because APs on the same channel can be closer together and still transmit at the same time—as long as they are different colors.

**ARUBA ADVANCED CELLULAR COEXISTENCE (ACC)**

Uses built-in filtering to automatically minimize the impact of interference from cellular networks, distributed antenna systems (DAS), and commercial small-cell or femtocell equipment.

**LOW DENSITY PARITY CHECK (LDPC)**

Delivers high-efficiency error correction for increased throughput.

**TRANSMIT BEAMFORMING (TXBF)**

Delivers increased signal reliability and range.

## THE INSTANT ON DIFFERENTIATORS

### THE ARUBA INSTANT ON APP

Manage everything through our official app on the device of your choice. Manage your network from anywhere, anytime- all from the palm of your hand.

### BUILT-IN SECURITY GATEWAY/FIREWALL

Stop unwanted people and bots from accessing your network. Leverage advanced features that do not require external gateways—or the complexity that comes with them. Quickly and easily swap it out with another AP in a single click, in case of gateway failure. With the new Cloudflare integration you get private and fast web browsing. The 802.11k standard improves roaming performance helping clients connect to nearby APs quickly.

### COMPLETE APP VISIBILITY AND CONTROL

Get full visibility into the apps running on your network. Block certain applications from being used. Manage this feature straight from the Aruba Instant On app.

### TAILORED USER EXPERIENCES

Customize the experience with logos, authentications, and rules of use. Set data usage per app. Limit duration of use. Use an external portal or service like Facebook Wi-Fi. Create open guest networks for quick and easy access. With Instant On mobile app, you can apply bandwidth limits for your clients or your network for prioritizing certain primary networks.

### ENTERPRISE GRADE WI-FI AND FEATURES

Control network widths, channels, and channel widths to suit your specific environment. Keep users happy as they move between spaces or meetings with a seamless handoff between APs. Just provide secure WPA2 or WPA3 authentication on your networks and we'll do the rest. Instant On supports OWE for secure, open Wi-Fi network access at cafes, retail stores and restaurants.

### SITE INVENTORY AND TOPOLOGY VIEW

The site inventory view lists all the Instant On switches and access points on a single interface, and the topology view provides an intuitive structure of all Instant On devices deployed in a network — allowing you to quickly identify non-functioning devices and troubleshoot accordingly. Network issues can be easily diagnosed with connectivity tests like Ping and Traceroute.

### TWO-FACTOR AUTHENTICATION (2FA)

As the number of security breaches continue to rise, 2FA has become an essential tool to mitigate risk against compromised login credentials. Two-Factor Authentication (2FA), provides an additional layer of authentication, prevents attackers from remotely accessing your network, and secures your customer information.

## THE INSTANT ON DIFFERENTIATORS

### MULTI-SITE MANAGEMENT

Manage multiple sites, multiple networks, distributed deployments, and multi-tenancy deployments with ease through our cloud-hosted web interface and mobile app. Create unique configurations, statistics, guest portals, and admin read/write and read-only privileges for every site. Instant On allows you to create three admin accounts per site, offering an option to lock accounts to prevent them from accidental deletion.

### PPPoE AND STATIC IP

Every customer has different environment. They might want to authenticate with the ISP's PPPoE server and provide static IP to the APs.

### SMART MESH

Extend coverage to hard-to-reach spaces where Ethernet cabling may not exist. Set up a Mesh network up in minutes through the app—indoors or out.

### 5-STAR VOICE AND VIDEO QUALITY

Keep users connected via softphones and mobile apps. Automatically detect and prioritize voice and video applications such as Skype, FaceTime, and WeChat that use SIP, SCCP and other popular protocols.



## TECHNICAL SPECIFICATION

### IN THE BOX

Aruba Instant On AP22 Indoor Access Point

Aruba Instant On AP22 Quick Start guide  
Combined Ceiling and wall rail mount clip

Ethernet cable

### RADIOS

Dual radio for simultaneous dual-band operation

5 GHz 802.11ax 2x2 MIMO for up to 1.2 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)

### MAXIMUM (AGGREGATE, CONDUCTED TOTAL) TRANSMIT POWER (LIMITED BY LOCAL REGULATORY REQUIREMENTS)

5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain)

2.4Ghz band: +21dBm (+18dBm per chain, 3dB MIMO gain)

### INTERFACES

Uplink Gigabit Ethernet port, with PoE-in support (802.3af)

DC power connector (12V) Bluetooth

Low Energy (BLE) radio LED status

indicators (2) Reset/LED control button

Kensington security slot

### PHYSICAL SPECIFICATIONS

160mm x 160mm x 37mm, excluding mount accessories

Weight: 500g

### POWER

Power over Ethernet (POE): 802.3af (class 3)

Max power consumption (worst-case): 10.1W (PoE), 8.8W (DC)

DC power (12V)

Note: Power sources are sold separately unless you purchase the bundle SKU which comes with power options.

### ANTENNAS

Down-tilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.3dBi in 2.4GHz and 5.6dBi in 5GHz (of the effective, combined pattern for both antennas in each band).

### MOUNTING

The access point ships with a white mount clip that can attach to both wall and ceiling.

You can also purchase a mount (R6P90A) for aesthetic design and looks of the APs, to blend seamless into your environment

### ENVIRONMENTAL & RELIABILITY

Operating temperature: 0° C to +40° C (+32° F to +104° F)

MTBF: 795khrs (91yrs) at +25° C

### INDUSTRY CERTIFICATIONS

UL 2043 plenum rating

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

### MANAGEMENT OPTIONS

Instant On mobile application (Android & iOS)

Cloud Portal: Portal.ArubaInstantOn.com

### WARRANTY & SUPPORT

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 for as long as you own the products.

Should you require longer support, please purchase a Foundation Care contract for your APs. The SKUs are HK1Y0E (3 years) and H30GZE (5 years).

\*2-year warranty applies to APs with "power-on date" on or after June 15, 2021, otherwise warranty duration is 1 year.

## ORDERING INFORMATION

## Aruba Instant On Indoor AP22 Access Points

| Part Number | Description                                                  | Comments                                                              |
|-------------|--------------------------------------------------------------|-----------------------------------------------------------------------|
| R4W01A      | Instant On AP22 (US) 2x2 Wi-Fi 6 Indoor Access Point         | Add PoE or DC Power Source                                            |
| R4W02A      | Instant On AP22 (RW) 2x2 Wi-Fi 6 Indoor Access Point         | Add PoE or DC Power Source                                            |
| R4W03A      | Instant On AP22 (JP) 2x2 Wi-Fi 6 Indoor Access Point         | Add PoE or DC Power Source                                            |
| R4W04A      | Instant On AP22 (EG) 2x2 Wi-Fi 6 Indoor Access Point         | Add PoE or DC Power Source                                            |
| R4W05A      | Instant On AP22 (IL) 2x2 Wi-Fi 6 Indoor Access Point         | Add PoE or DC Power Source                                            |
| S0G23A      | Aruba Instant On AP22 (RW1*) 2x2 Wi-Fi 6 Indoor Access Point | Add PoE or DC Power Source                                            |
| R6M49A      | Instant On AP22 with 12V/18W Power Adapter US Bundle         |                                                                       |
| R6M50A      | Instant On AP22 with 12V/18W Power Adapter EU Bundle         |                                                                       |
| R6M51A      | Instant On AP22 with 12V/18W Power Adapter Worldwide Bundle  | Add # options to choose the right power cord for the specific country |
| S0G19A      | Aruba Instant On AP22 (RW1*) 2x2 Wi-Fi 6 Indoor Bundle       | Add # options to choose the right power cord for the specific country |
| R6R77A      | Instant On AP22 12V PSU Bundle JP                            |                                                                       |
| R6R78A      | Instant On AP22 12V PSU Bundle IL                            |                                                                       |
| R6R79A      | Instant On AP22 12V PSU Bundle EG                            |                                                                       |

Note: If a replacement is requested for the power adapter in the bundle, you will receive the R2X20A and R3X85A part number which might be a different form-factor than the power adapter in the AP22 bundle box.

**Mount Kit**

|        |                                          |                                                       |
|--------|------------------------------------------|-------------------------------------------------------|
| R6P90A | Aruba Instant On AP22 flush mount sleeve | Add with above AP or bundle SKUs for aesthetic design |
|--------|------------------------------------------|-------------------------------------------------------|

**Power Options**

|        |                                                     |                                                                        |
|--------|-----------------------------------------------------|------------------------------------------------------------------------|
| R3X85A | Aruba Instant On 12V/36W Power Adapter              | Add AC power cord                                                      |
| R9M78A | Aruba Instant On 12V Power Adapter US EU            | Includes power cord with US and EU plugs                               |
| R9M79A | Aruba Instant On 12V Power Adapter RW               | Includes power cord with Rest-of-World plugs                           |
| R8W31A | Aruba Instant On 15.4W 802.3af PoE Midspan Injector | Add AC power cord<br><i>This Injector for Indoor Installation Only</i> |

\*RW1 SKUs are SKUs for the Rest of the World (RW) limited to countries where Country of Origin constraints exist. RW and RW1 SKUs are exclusive.

## ORDERING INFORMATION

## Aruba Instant On Indoor AP22 Access Points

| Part Number                                                           | Description                                             | Comments                       |
|-----------------------------------------------------------------------|---------------------------------------------------------|--------------------------------|
| <b>Add 3-prong (C13) AC power cord for Power Adapter/PoE Injector</b> |                                                         |                                |
| JW113A                                                                | PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord   |                                |
| JW114A                                                                | PC-AC-AUS Australian AC Power Cord                      |                                |
| JW115A                                                                | PC-AC-BR Brazil AC Power Cord                           |                                |
| JW116A                                                                | PC-AC-CHN China AC Power Cord                           |                                |
| JW117A                                                                | PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord     |                                |
| JW118A                                                                | PC-AC-EC Continental European/Schuko AC Power Cord      |                                |
| JW119A                                                                | PC-AC-IN India AC Power Cord                            |                                |
| JW120A                                                                | PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord       |                                |
| JW121A                                                                | PC-AC-IT Italian AC Power Cord                          |                                |
| JW122A                                                                | PC-AC-JP Japanese AC Power Cord                         |                                |
| JW123A                                                                | PC-AC-KOR Korea AC Power Cord                           |                                |
| JW124A                                                                | PC-AC-NA North America AC Power Cord                    |                                |
| JW125A                                                                | PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord |                                |
| JW126A                                                                | PC-AC-TW Taiwan AC Power Cord                           |                                |
| JW127A                                                                | PC-AC-UK UK AC Power Cord                               |                                |
| JW128A                                                                | PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord |                                |
| S0P44A                                                                | PC-AC-TH Thailand AC Power Cord                         |                                |
| <b>Mount Kits – Spares</b>                                            |                                                         |                                |
| JW044A                                                                | Instant On AP Ceiling Rail Mount Kit                    | Spare for what ships with AP22 |
| Q9U25A                                                                | Instant On AP Low Profile Basic Mount Kit               | Spare for what ships with AP22 |