QuickSpecs

Overview

HPE Networking Instant On Wi-Fi 6 Access Points

High-Speed Wi-Fi Designed with Small Business in Mind

The HPE Networking Instant On Wi-Fi 6 Access Points portfolio is designed to meet the increasing volume of connected devices that face small businesses. Our range of Wi-Fi Certified 6 access points delivers superior performance, coverage, and speed at a competitive price that is perfect for small and growing businesses.

The HPE Networking Instant On Wi-Fi 6 Access Points family has the right access point to fit your business needs. From cost-effective single room streaming to conference room collaboration to exhibition hall environments, our wireless solutions make your network accessible and efficient.

From IoT and point-of-sale devices to hundreds of guests connecting to your network, you need hardware that can keep up with changing daily demands without intervention. HPE Networking Instant On Wi-Fi 6 access points are designed to host from 30 to over 150 simultaneous connections. Our smart cloud management features are simple to use and quick to set up, with many enterprise-class features enabled by default.

The Wi-Fi 6 family features MU-MIMO, OFDMA, and up to 4 spatial streams to keep users and devices connected while the built-in TPM, WPA3, and wireless access control lists keep your network secure. Setting up guest and employee networks is just a few taps away on the HPE Networking Instant On mobile app. The Smart Mesh and range-boosting features in the mobile app combined with automatic beamforming provide coverage to those hard-to-reach areas of your business.

We know the critical role that Wi-Fi plays in business today — no one can afford downtime. The HPE Networking Instant On Wi-Fi 6 Access Points family is designed for rapid deployment and simplified management. Be it mounting hardware, remote device management or access to the latest business-grade software, the HPE Networking Instant On Wi-Fi 6 Access Points hardware makes your life easier.

Hewlett Packard Enterprise

Overview

Product Line-Up

The HPE Networking Instant On Wi-Fi 6 family has the right access point to fit your business needs. From cost-effective single room streaming to conference room collaboration to exhibition hall environments, our wireless solutions make your network accessible and efficient.

The HPE Networking Instant On Access Points AP21 is the low-density work horse of the Wi-Fi 6 series. Hosting up to 1.5 Gbps over its two dual-band antennas, this access point will bring high speed connectivity to areas 1500 square feet and smaller. The AP21 access point is ideal for set and forget deployments that need only 1-2 APs, like small retail stores, pop-up shops, and startups.

HPE Networking Instant On Access Points AP21

The HPE Networking Instant On Access Points AP22 is our core Wi-Fi 6 access point that gives you the bang for your buck. It hosts a 2x2 antenna array supporting 2 spatial streams with a max aggregate data rate of 1.7 Gbps. The AP22 is ideal for corporate offices, healthcare facilities and hybrid classrooms that require EN certification, or hybrid classrooms. This access point has the same security and reliability as the AP25 at a more attractive price.

HPE Networking Instant On Access Points AP22

Overview

The HPE Networking Instant On Access Points AP22D is the more versatile version of the AP22. It has the same antenna array and spatial streams (2x2:2) but has a 2.5GbE uplink port and four 1GbE downlink ports for hardwired devices. The AP22D can also supply Power over Ethernet (PoE) to two of the downlink ports at 15W (PoE 802.3af) when powered with Class 6 PoE 802.3bt or the optional DC power supply. When powered by Class 4 PoE 802.3at, the AP22D will supply power to one port at 15W (PoE 802.3af). This makes the AP22D great for IP phones or receipt printers in areas that need more Ethernet ports and only one in-room Ethernet port is available. Great for boutique hotel rooms, home offices, or reception areas.

HPE Networking Instant On Access Points AP22D

The HPE Networking Instant On Access Points AP25 is our top performer, with a 4x4 antenna array that supports 4 spatial streams to provide coverage and speed in device-dense networks, and is best if used in common areas where 100 or more of your customers can gather. The AP25 2.5GbE uplink port enables more network bandwidth to support the wireless maximum 5.3Gbps throughput for connected clients compared to traditional 1GbE uplink in other Wi-Fi 6 access points.

HPE Networking Instant On Access Points AP25

Overview

Take your business outdoors with the HPE Networking Instant On Access Points AP27. This fast outdoor Wi-Fi 6 AP is IP67 rated, keeping you connected through hot summers, frigid winters, rain, sleet, and snow. Able to withstand temperatures from temperatures from -40°F to 149°F, you can confidently connect up to 75 devices over Wi-Fi 6 to extend coverage to parking lots, outdoor workspaces, and hotel pools.

HPE Networking Instant On Access Points AP27

The HPE Networking Instant On Access Points AP32 is a Wi-Fi CERTIFIED 6 access point with 6GHz spectrum capabilitiesto support Wi-Fi 6E compatible devices. With this dedicated band you'll experience lower latency and faster transmit rates (up to 3.6 Gbps) for your Wi-Fi 6 enabled devices. Support over 100 devices with this 2x2 tri-band wireless access point and bring the cloud closer to your edge.

HPE Networking Instant On Access Points AP32

Overview

Key Features

- Ultra-fast 802.11ax
- Available 2.5 Gigabit
- Wi-Fi CERTIFIED 6TM (Wi-Fi 6)
- MU-MIMO performance
- Smart Mesh Wi-Fi support
- Easy-to-use web and mobile app for setup and management
- Secure guest Wi-Fi with simple setup
- Application classification, control, and visibility
- Superior client roaming with ClientMatch

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

In The Box

- HPE Networking Instant On Access Point
- HPE Networking Instant On Quick Start Guide (AP22 and AP25)
- Combined ceiling and wall rail mount clip
- Desktop mount (AP22D only)
- Ethernet cable
- DC power adapter with select bundles

Standard Features

Next-Generation 802.11ax Wi-Fi Features

160MHZ Client Bandwidth Support (Ap25 Exclusive)
With 160MHz bandwidth support in 11ax, HE160 mode delivers higher performance with 160MHz supported clients. Smart Mesh performance can be doubled with the 160MHz bandwidth support on 5GHz backhaul.

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.

SSID Scheduling
Allows you to automatically enable or disable your networks. If you have certain visitor hours or times for guests to connect, easily set the network schedule in the Instant On app or web portal to provide connectivity to those users.

Smart Mesh
Extend your network coverage wirelessly using the Smart Mesh feature. Once the first AP is connected, simply plug in the 2nd AP to a second power source with the DC power adapter and with a single click or tap, the secondary APs will connect to the primary AP over the 5Ghz wireless band. Extended network coverage without the network cables.

Trusted Platform Module (TPM)
All HPE Networking 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 if they are different colors.

HPE Networking 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.

ClientMatch
Uses a system-level view of the entire network to continuously monitor the health of connected devices. The data of these connected devices is shared among APs to prevent over-subscriptions. ClientMatch will dynamically move clients appropriately without the need for intervention.

Standard Features

Active Ratio Management (Arm)
Solves wireless networking challenges for large or dense installs that support mobile devices like phones or laptops. ARM will intelligently adjust the channel and transmit power for frequency to ensure all users are allowed access. ARM is also application-aware and will change a device's band depending on the type of networking traffic they are utilizing.

The HPE Networking Instant On Differentiators
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 RADIUS server to track guest login. Create open guest networks for quick and easy access. With the HPE Networking Instant On mobile app, you can apply bandwidth limits for your clients or your network to prioritize certain networks.

PPPoE and Static IP
The HPE Networking Instant On Access Points can handle PPPoE configuration with VLAN support, and act as a DHCP server, providing IP addresses to the wireless network. Assigning a static IP address on an access point allows users to use the same IP address regardless of where the access point is connected, making it easier to access its setup page for any configuration changes.

No Hidden Fees
All features are included in the price of the hardware — there are no recurring subscription or licensing fees. Expert-level community support and an industry- leading 2-year warranty are also included. 24/7 phone support for the first 90 days, starting when you on-board the device to the cloud, and chat support for the remainder of the warranty.

No Hidden Fees
All features are included in the price of the hardware and there are no recurring subscription or licensing fees. Expert-level community support, and industry- leading 2-year warranty IA is also included, along with chat support during the warranty period.

Configuration Information

BTO Models

HPE Networking Instant On Access Points AP21

Notes:	Powered with the choice to select an optional power adapter or PoE injector	
5	HPE Networking Instant On AP21 (JP) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T10A
3	HPE Networking Instant On AP21 (EG) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T11A
4	HPE Networking Instant On AP21 (IL) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T12A
1,8	HPE Networking Instant On AP21 (RW) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T09A
2,9	HPE Networking Instant On AP21 (US) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T08A
6	HPE Networking Instant On AP21 (RW1) Dual Radio 2x2 Wi-Fi 6 Access Point	S1T19A

HPE Networking Instant On Access Points AP21 (Eco-Friendly 5-Packs)

Notes:	Includes 5 Mount Brackets	
2	HPE Networking Instant On AP21 (US) Dual Radio 2x2 Wi-Fi 6 Access Point Pack of 5	S1T17A
1	HPE Networking Instant On AP21 (RW) Dual Radio 2x2 Wi-Fi 6 Access Point Pack of 5	S1T18A

Configuration Rules

Rule #	Description
1	Available everywhere except US, Puerto Rico, Israel, Egypt, India and Japan.
2	Available in US, Puerto Rico only
3	Available in Egypt only
4	Available in Israel only
5	Available in Japan only
6	Available in India only
8	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1T18A)
9	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1T17A)

Notes: OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Indoor: AP21 ION Indoor AP

Power Options

For AP21 Std (Min 0 // max 1) User Selection (min 0 // max 1)
For S1T17A and S1T18A Std (0 or 5) User Selection (0 or 5)

Rule #	Description	SKU
1	Aruba Instant On 12V/18W Power Adaptor US EU	R9M78A
1	Aruba Instant On 12V/18W Power Adaptor RW	R9M79A
1	Aruba Instant On 802.3af 15.4W POE Midspan Injector	R8W31A

Configuration Rules

Rules	Description	SKU
1	If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Wireless Power Cord Table.	

Notes: OCA Display Note - Most devices are PoE powered from switch, so these are optional.

Configuration Information

Spares

Mount Kits

For AP21 Std (Min 0 // max 99) User Selection (min 0 // max 99)

HPE Aruba Networking AP-220-MNT-C1 2x Ceiling Grid Rail Adapter for Basic Flat Rails Mount Kit	JW044A
HPE Aruba Networking AP-MNT-W4 White Low Profile Basic AP Flat Surface Mount Kit	Q9U25A

Notes: OCA Display Note - AP21 Unit ships with two mounting brackets, one for the ceiling mount and one for the wall mount

HPE Networking Instant On Access Points AP21 Bundle with PSU

7	HPE Networking Instant On AP21 (JP) Dual Radio 2x2 Wi-Fi 6 Access Point Bundle with PSU	S1T16A
	• Includes 12V Power Adapter with US Power Plug	
4	HPE Networking Instant On AP21 (US) Dual Radio 2x2 Wi-Fi 6 Access Point Bundle with PSU	S1T13A
	• Includes 12V Power Adapter with US Power Plug	
9	HPE Networking Instant On AP21 (EU) Dual Radio 2x2 Wi-Fi 6 Access Point Bundle with EU PSU	S1T14A
	• Includes 12V Power Adapter with EU Power Plug	
3	HPE Networking Instant On AP21 (RW) Dual Radio 2x2 Wi-Fi 6 Access Point Bundle with RW PSU	S1T15A
	• Includes 12V Power Adapter with Localized Power Plug	
8	HPE Networking Instant On AP21 (RW1) Dual Radio 2x2 Wi-Fi 6 Access Point Bundle with RW PSU	S1T20A
	• Includes 12V Power Adapter with Localized Power Plug	

Configuration Rules

Rule #	Description
3	Available everywhere except European Union, US, Puerto Rico, India and Japan.
4	Available in US, Puerto Rico only
7	Available in Japan only
8	Available in India only
9	Available in European Union only

Notes: OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Indoor: AP21 ION Indoor AP Bundles

Configuration Information

HPE Networking Instant On Access Points AP22

2	Aruba Instant On AP22 (US) 2x2 Wi-Fi 6 Indoor Access Point	R4W01A
	• PoE Powered with the choice to select an optional power adapter	
1	Aruba Instant On AP22 (RW) 2x2 Wi-Fi 6 Indoor Access Point	R4W02A
	• PoE Powered with the choice to select an optional power adapter	
5	Aruba Instant On AP22 (JP) 2x2 Wi-Fi 6 Indoor Access Point	R4W03A
	• PoE Powered with the choice to select an optional power adapter	
3	Aruba Instant On AP22 (EG) 2x2 Wi-Fi 6 Indoor Access Point	R4W04A
	• PoE Powered with the choice to select an optional power adapter	
4	Aruba Instant On AP22 (IL) 2x2 Wi-Fi 6 Indoor Access Point	R4W05A
	• PoE Powered with the choice to select an optional power adapter	
6,7	Aruba Instant On AP22 (RW1) 2x2 Wi-Fi 6 Indoor Access Point	S0G23A
	• PoE Powered with the choice to select an optional power adapter	

Rule #	Description
1	Available everywhere except, US, Puerto Rico, Israel, Egypt, India and Japan.
2	Available in US and Puerto Rico only
3	Available in Egypt only
4	Available in Israel only
5	Available in Japan only
6	Available in India only
7	OCA Display **Notes:** 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

Notes:
- OCA Only Model Selection Form - Aruba > Instant On > Wireless Access Points: Indoor AP22
- *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.

Power Options

Rule #	Description	SKU
1	Aruba Instant On 30W 802.3at PoE Midspan Injector	R9M77A
	Aruba Instant On 12V/18W Power Adaptor US EU	R9M78A
	• Includes power cord with US and EU plugs	
	Aruba Instant On 12V/18W Power Adaptor RW	R9M79A
	• Includes power cord with Rest-of-World plugs	
1	Aruba Instant On 802.3af 15.4W POE Midspan Injector	R8W31A

Configuration Rules

Rules	Description	SKU
1	Add AC power cord	
	This injector for indoor installation only	

Notes: OCA Display Note - Most devices are PoE powered from switch, so these are optional.

Spares

Mount Kits

HPE Aruba Networking AP-220-MNT-C1 2x Ceiling Grid Rail Adapter for Basic Flat Rails Mount Kit	JW044A
• Spare mount to attach to a dropped ceiling	
HPE Aruba Networking AP-MNT-W4 White Low Profile Basic AP Flat Surface Mount Kit	Q9U25A
• Spare for what ships with AP22	

Configuration Information

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

HPE Networking Instant On Access Points AP22 Bundle with PSU

	Aruba Instant On AP22 12V PSU Bundle JP	R6R77A
	• Includes 12V Power Adapter with US Power Plug	
	Aruba Instant On AP22 12V PSU Bundle IL	R6R78A
	• Includes 12V Power Adapter with EU Power Plug	
	Aruba Instant On AP22 12V PSU Bundle EG	R6R79A
	• Includes 12V Power Adapter with EU Power Plug	
	Instant On AP22 with 12V/18W Power adaptor US Bundle	R6M49A
	• Includes 12V Power Adapter with US Power Plug	
	Instant On AP22 with 12V/18W Power adaptor EU Bundle	R6M50A
	• Includes 12V Power Adapter with EU Power Plug	
1, 2, 3	Instant On AP22 with 12V/18W Power adaptor Worldwide Bundle	R6M51A
	• Includes 12V Power Adapter with Localized Power Plug	
	Aruba Instant On AP22 PSU Bundle No Loc	R6M51A#AC3
	• No Localization Selected	
1, 2, 8, 10	Aruba Instant On AP22 (RW1) 2x2 Wi-Fi 6 Indoor Bundle	S0G19A
	• Includes 12V Power Adapter with Localized Power Plug	
	Aruba Instant On AP22 (RW1) 2x2 Wi-Fi 6 Indoor Bundle No Loc	S0G19A#AC3
	• No Localization Selected	

Configuration Rules

Rule #	Description
1	If this Access Point is selected, bring in (Min 1 // Max 1) Localized Wall Power Cord Option based on the HPN Localization Menu.
2	Drop down under Included Power Adapter should offer the following selections: No Localization - #AC3 Option
3	Available everywhere except European Union, US, Puerto Rico, Israel, Egypt, India and Japan.
8	Available in India only
10	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

Notes:
- OCA Only Model Selection Form - Aruba > Instant On > Wireless Access Points: Indoor AP22 Bundles
- If a replacement is requested for the power adaptor in the bundle, you will receive the R2X20A and R3X85A part numbers which might be a different form factor than the power adaptor in the AP22 bundle box.

Configuration Information

HPE Networking Instant On Access Points AP22D

6	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (RW1) AP22D	S1T35A
2, 9	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (US) AP22D	S1U75A
1, 8	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (RW) AP22D	S1U76A
5	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (JP) AP22D	S1U77A
3	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (EG) AP22D	S1U78A
4	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (IL) AP22D	S1U79A

Notes: Powered with the choice to select an optional power adapter or PoE injector

HPE Networking Instant On Access Points AP22D (Eco-Friendly 5-Packs)

1	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 5-Pack (RW) AP22D	S1U81A
2	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 5-Pack (US) AP22D	S1U80A

Notes: Includes 5 Mount Brackets

Configuration Rules

Rule #	Description
1	Available everywhere except, US, Puerto Rico, Israel, Egypt, India and Japan.
2	Available in US and Puerto Rico only
3	Available in Egypt only
4	Available in Israel only
5	Available in Japan only
6	Available in India only
8	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1U81A)
9	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1U80AA)

Notes: OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Desk/Wall: AP22D ION Desk/Wall AP

Power Options

For AP22D Std (Min 0 // max 1) User Selection (min 0 // max 1)
For S1U80A and S1U81A Std (0 or 5) User Selection (0 or 5)

Rule #	Description	SKU
1	Aruba Instant On 48V/50W PSU Power Adaptor	R3X86A
	• Aruba Instant On 48V/50W PSU Power Adaptor	
1	Aruba Instant On 30W 802.3at PoE Midspan Injector	R9M77A

Configuration Rules

Rules	Description	SKU
1	If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Wireless Power Cord Table.	

Notes: OCA Display Note - Most devices are PoE powered from switch, so these are optional.

Spares

Mount Kits

Standard (Min 0 // max 99) User Selection (min 0 // max 99)

HPE Aruba Networking AP-500H-MNT1 500H Series AP Kit with Single Wall-Box Mount Adapter	R3V58A
• For wall and (wiring) wall-box	
HPE Aruba Networking AP-505H-MNT2 Kit AP-505H Dual Wall-Box Mount Adapter	R3V59A
• For wall and (wiring) wall-box	
AP-500H-MNTD Kit with Desk Mount Adapter for 500H Series AP	R3V60A

Configuration Information

	• For desk	
	HPE Aruba Networking AP-503H-MNT2 AP-503H Kit Dual Wall-Box Mount Adapter	R3V61A
	• For wall and (wiring) wall-box	
	HPE Aruba Networking AP-500H-MNTD2 RJ45 Ethernet Jack Desk Mount	S0J41A
	• For desk	
Notes:	OCA Display Note - AP22D Unit ships with two mounting brackets, one for the ceiling mount and one for the wall mount	

	HPE Networking Instant On Access Points AP22D Bundle with PSU	
6	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (JP) AP22D	S0J35A
	• Includes 48V Power Adapter with US Power Cord	
5	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (US) AP22D	S0J32A
	• Includes 48V Power Adapter with US Power Cord	
7	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (EU) AP22D	S0J33A
	• Includes 48V Power Adapter with EU Power Cord	
1,2,4	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (RW) AP22D	S0J34A
	• Includes 48V Power Adapter with Localized Power Cord	
	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (RW) AP22D NoLoc	S0J34A#AC3
	• No Localized Power Cord Selected	

Configuration Rules

Rule #	Description
1	If this Access Point is selected, bring in (Min 1 // Max 1) Localized Wall Power Cord Option based on the HPN Localization Menu.
2	Drop down under Included Power Adapter should offer the following selections: No Localized Power Cord - #AC3 Option
4	Available everywhere except European Union, US, Puerto Rico, India and Japan.
5	Available in US, Puerto Rico only
6	Available in Japan only
7	Available in European Union only
Notes:	OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Desk/Wall: AP22D ION Desk/Wall AP Bundles

Configuration Information

HPE Networking Instant On Access Points AP25

Rule #	Description	SKU
1	HPE Networking Instant On AP25 (US) 4x4 Wi-Fi 6 Indoor Access Point	R9B27A
2	HPE Networking Instant On AP25 (RW) 4x4 Wi-Fi 6 Indoor Access Point	R9B28A
Notes:	Available everywhere except US, Israel, Japan and Egypt.	
3	HPE Networking Instant On AP25 (JP) 4x4 Wi-Fi 6 Indoor Access Point	R9B29A
4	HPE Networking Instant On AP25 (EG) 4x4 Wi-Fi 6 Indoor Access Point	R9B30A
5	HPE Networking Instant On AP25 (IL) 4x4 Wi-Fi 6 Indoor Access Point	R9B31A
*6,7	HPE Networking Instant On AP25 (RW1) 4x4 Wi-Fi 6 Indoor Access Point	S0G24A

Configuration Rules

Rule #	Description
1	Available in US and Puerto Rico only
2	Available everywhere except US, Puerto Rico, Israel, Japan, India and Egypt.
3	Available in Japan only
4	Available in Egypt only
5	Available in Israel only
6	Available in India only
7	OCA Display **Notes:**

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

Notes:
- OCA Only Model Selection Form - Aruba > Instant On > Wireless Access Points:
  Indoor AP25
- PoE Powered with the choice to select an optional power adapter
- OCA Only Model Selection Form - HPE Aruba Networking > Instant On > Wireless Access Points:
  Indoor AP25
- *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

Power Options

Rule #	Description	SKU
1	Aruba Instant On 30W 802.3at PoE Midspan Injector	R9M77A
	Aruba Instant On 12V/18W Power Adaptor US EU	R9M78A
	• Includes power cord with US and EU plugs	
	Aruba Instant On 12V/18W Power Adaptor RW	R9M79A
	• Includes power cord with Rest-of-World plugs	
1	Aruba Instant On 802.3af 15.4W POE Midspan Injector	R8W31A

Configuration Rules

Rules	Description	SKU
1	Add AC power cord	
	This injector for indoor installation only	

Notes: OCA Display Note - Most devices are PoE powered from switch, so these are optional.

Spares

Mount Kits

HPE Aruba Networking AP-220-MNT-C1 2x Ceiling Grid Rail Adapter for Basic Flat Rails Mount Kit		JW044A
• Spare mount to attach to a dropped ceiling		
HPE Aruba Networking AP-MNT-W4 White Low Profile Basic AP Flat Surface Mount Kit		Q9U25A
• Spare for what ships with AP22		
HPE Networking Instant On AP25 Flush Mount Sleeve		R9B36A
• Add with above AP or bundle SKUs for aesthetic design		

Configuration Information

Accessories

Options
For AP25 Std (Min 0 // max 1) User Selection (min 0 // max 1)

Rule #	Description	SKU
	HPE Networking Instant On AP25 Flush Mount Sleeve	R9B36A
Notes:	OCA Display Note - AP25 ships with 1 mount for wall and ceiling; add this additional mount for aesthetic design.	

HPE Networking Instant On Access Points AP25 Bundle with PSU

Rule #	Description	SKU
	HPE Networking Instant On AP25 with 12V/18W Power Adaptor (US) Bundle	R9B32A
	• Includes 12V Power Adapter with US Power Plug	
	HPE Networking Instant On AP25 with 12V/18W Power Adaptor (EU) Bundle	R9B33A
	• Includes 12V Power Adapter with EU Power Plug	
1, 2, 6	HPE Networking Instant On AP25 with 12V/18W Power Adaptor (WW) Bundle	R9B34A
	• Includes 12V Power Adapter with Localized Power Plug	
	HPE Networking Instant On AP25 with 12V/18W Power Adaptor Worldwide Bundle No Loc	R9B34A#AC3
	• No Localization Selected	
	HPE Networking Instant On AP25 with 12V/18W Power Adaptor (JP) Bundle	R9B35A
	• Includes 12V Power Adapter with US Power Plug	
1, 2, 7, 8	HPE Networking Instant On AP25 (RW1) 4x4 Wi-Fi 6 Indoor Bundle	S0G22A
	• Includes 12V Power Adapter with Localized Power Plug	
	Aruba Instant On AP25 (RW1) 4x4 Wi-Fi 6 Indoor Bundle No Loc	S0G22A#AC3
	• No Localization Selected	

Configuration Rules

Rule #	Description
1	If this Access Point is selected, bring in (Min 1 // Max 1) Localized Wall Power Cord Option based on the HPN Localization Menu.
2	Drop down under Included Power Adapter should offer the following selections: No Localization - #AC3 Option
6	Available everywhere except US, Japan and European Union.
7	Available in India only
8	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
Notes:	OCA Only Model Selection Form - HPE Aruba Networking > Instant On > Wireless Access Points: Indoor AP25 Bundles

Configuration Information

HPE Networking Instant On Outdoor Access Points AP27

Rule #	Description	SKU
1	HPE Networking Instant On AP27 (US) Dual Radio 2x2 Wi-Fi 6 Outdoor Access Point	S1T36A
2	HPE Networking Instant On AP27 (RW) Dual Radio 2x2 Wi-Fi 6 Outdoor Access Point	S1T37A
4	HPE Networking Instant On AP27 (JP) Dual radio 2x2 Outdoor Wi-Fi 6 Access Point	S1T38A
3	HPE Networking Instant On AP27 (EG) Dual Radio 2x2 Wi-Fi 6 Outdoor Access Point	S1T39A
5	HPE Networking Instant On AP27 (IL) Dual Radio 2x2 Wi-Fi 6 Outdoor Access Point	S1T40A
6	HPE Networking Instant On Outdoor Access Point Dual Radio 2x2 Wi-Fi 6 (RW1) AP27	S3U62A

Configuration Rules

Rule #	Description
1	Available in US, Puerto Rico only
2	Available everywhere except US, Puerto Rico, Israel, Japan, India and Egypt.
3	Available in Egypt only
4	Available in Japan only
5	Available in Israel only
6	Available in India only

Notes:
- Powered with a PoE injector
- OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Outdoor: AP27 ION Outdoor AP

Power Options

For AP27 Std (Min 0 // max 1) User Selection (min 0 // max 1)

Rule #	Description	SKU
1	Aruba Instant On 30W 802.3at PoE Midspan Injector	R9M77A

Configuration Rules

Rule #	Description
1	If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Localization Menu

Notes: OCA Display Note - Most devices are PoE powered from switch so these are optional.

Spares

Mount Kits

Notes: For AP27 Std (Min 0 // max 99) User Selection (min 0 // max 99)

Rule #	Description	SKU
	ION-MNT-OTDR Instant On Outdoor Bracket	R3R57A

Configuration Rules

Rule #	Description

Notes: OCA Display Note - AP27 Unit ships with one plastic mount

Configuration Information

HPE Networking Instant On Access Points AP27 Bundle with PSU

Rule #	Description	SKU
5	HPE Networking Instant On AP27 (US) Dual Radio 2x2 Wi-Fi 6 Outdoor AP Bundle with PSU	S1T41A
	• Includes 30W PoE midspan injector with US Power Cord	
7	HPE Networking Instant On AP27 (EU) Dual Radio 2x2 Wi-Fi 6 Outdoor AP Bundle with PSU	S1T42A
	• Includes 30W PoE midspan injector with EU Power Cord	
6	HPE Networking Instant On AP27 (JP) Dual Radio 2x2 Wi-Fi 6 Outdoor AP Bundle with PSU	S1T44A
	• Includes 30W PoE midspan injector with US Power Cord	
1, 2, 4	HPE Networking Instant On AP27 (RW) Dual Radio 2x2 Wi-Fi 6 Outdoor AP Bundle with PSU	S1T43A
	• Includes 30W PoE midspan injector with Localized Power Cord	
	HPE Networking Instant On AP27 (RW) Dual Radio Outdoor 2x2 Wi-Fi 6 Access Point Bundle w PSU No Loc	S1T43A#AC3
	• No Localized Power Cord Selected	

Configuration Rules

Rule #	Description
1	If this Access Point is selected, bring in (Min 1 // Max 1) Localized Wall Power Cord Option based on the HPN Localization Menu.
2	Drop down under Included Power Adapter should offer the following selections: No Localized Power Cord - #AC3 Option
4	Available everywhere except European Union, US, Puerto Rico, India and Japan.
5	Available in US, Puerto Rico only
6	Available in Japan only
7	Available in European Union only
Notes:	OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Outdoor: AP27 ION Outdoor AP Bundles

Configuration Information

HPE Networking Instant On Access Points AP32

2,9	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (US) AP32	S1T22A
1,8	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (RW) AP32	S1T23A
5	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (JP) AP32	S1T24A
3	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (EG) AP32	S1T25A
4	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (IL) AP32	S1T26A
6	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E (RW1) AP32	S1T33A

Notes: Powered with the choice to select an optional power adapter or PoE injector

HPE Networking Instant On Access Points AP32 5-Pack

2	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E 5-Pack (US) AP32	S1T31A
1	HPE Networking Instant On Access Point Dual Radio Tri Band 2x2 Wi-Fi 6E 5-Pack (RW) AP32	S1T32A

Notes: Includes 5 Mount Brackets

Configuration Rules

Rule #	Description
1	Available everywhere except, US, Puerto Rico, Israel, Egypt, India and Japan.
2	Available in US, Puerto Rico only
3	Available in Egypt only
4	Available in Israel only
5	Available in Japan only
6	Available in India only
8	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1T32A)
9	If planning to resell more than qty5 of this AP to an end-customer, consider recommending and ordering the Eco-Friendly 5-Packs (S1T31A)

Notes: OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Indoor AP32 ION Indoor AP

Power Options

For AP32 Std (Min 0 // max 1) User Selection (min 0 // max 1)
For S1T31A and S1T32A Std (0 or 5) User Selection (0 or 5)

Rule #	Description	SKU
1	Aruba Instant On 30W 802.3at PoE Midspan Injector	R9M77A
	Aruba Instant On 12V/18W Power Adaptor US EU	R9M78A
	• Includes power cord with US and EU plugs	
	Aruba Instant On 12V/18W Power Adaptor RW	R9M79A
	• Includes power cord with Rest-of-World plugs	

Configuration Rules

Rules	Description
1	If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Wireless Power Cord Table.

Notes: OCA Display Note - Most devices are PoE powered from switch, so these are optional.

Spares

Mount Kits

For AP32 Std (Min 0 // max 99) User Selection (min 0 // max 99)

HPE Aruba Networking AP-220-MNT-C1 2x Ceiling Grid Rail Adapter for Basic Flat Rails Mount Kit	JW044A
HPE Aruba Networking AP-MNT-W4 White Low Profile Basic AP Flat Surface Mount Kit	Q9U25A

Remarks: OCA Display Note - AP32D Unit ships with two mounting brackets, one for the ceiling mount and one for the wall mount

Configuration Information

HPE Networking Instant On Access Points AP32 Bundle with PSU

4	HPE Networking Instant On Access Point Bundle with PSU Dual Radio Tri Band 2x2 Wi-Fi 6E (US) AP32	S1T27A
	• Includes 12V Power Adapter with US Power Plug	
9	HPE Networking Instant On Access Point Bundle with PSU Dual Radio Tri Band 2x2 Wi-Fi 6E (EU) AP32	S1T28A
	• Includes 12V Power Adapter with EU Power Plug	
3	HPE Networking Instant On Access Point Bundle with PSU Dual Radio Tri Band 2x2 Wi-Fi 6E (RW) AP32	S1T29A
	• Includes 12V Power Adapter with Localized Power Plug	
7	HPE Networking Instant On Access Point Bundle with PSU Dual Radio Tri Band 2x2 Wi-Fi 6E (JP) AP32	S1T30A
	• Includes 12V Power Adapter with US Power Plug	

Configuration Rules

Rules	Description
3	Available everywhere except European Union, US, Puerto Rico, India and Japan.
4	Available in US, Puerto Rico only
7	Available in Japan only
9	Available in European Union only
Notes:	OCA Only Model Selection Form - HPE Aruba Networking > HPE NW Instant On > ION Access Points > Indoor AP32 ION Indoor AP Bundles.

Technical Specifications

In the Box
- HPE Networking Instant On Access Point
- HPE Networking Instant On Quick Start Guide
- Combined ceiling and wall rail mount clip
- Desktop mount (AP22D only)
- Ethernet cable (except AP27)
- DC power adapter with select bundles

	AP21	AP22	AP22D	AP25	AP27	AP32
Radios	Dual-Radio 802.11ax 2x2 5Ghz/2.4Ghz MIMO	Dual-Radio 802.11ax 2x2 5Ghz/2.4GhZ MIMO	Dual-Radio 802.11ax 2x2 5Ghz/2.4Ghz MIMO	Dual-Radio 802.11ax 4x4 5Ghz MU-MIMO 2x2 2.4Ghz MU-MIMO	Dual-Radio 802.11ax 2x2 5GHz MU-MIMO 2x2 2.4GHz MIMO	Dual-Radio, Tri-Band 802.11ax 2x2 6Ghz/5Ghz/2.4Ghz MU-MIMO
Maximum Bandwidth Support	20/40/80MHz	20/40/80MHz	20/40/80MHz	20/40/80/160MHz	20/40/80MHz	20/40/80/160 MHz
Maximum Data Rate*	1.2Gbps (5Ghz) 300Mbps (2.4Ghz)	1.2Gbps (5Ghz) 574 Mbps (2.4Ghz)	1.2Gbps (5Ghz) 574 Mbps (2.4Ghz) 900 Mbps (aggregate switch capacity)	4.8Gbps (5Ghz) 574 Mbps (2.4Ghz)	1.2Gbps (5GHz) 574 Mbps (2.4GHz)	2.4Gbps (6Ghz) 1.2Gbps (5Ghz) 574 Mbps (2.4Ghz)
Interfaces	1 GbE BaseT Uplink DC Power Connector LED status Indicators Reset/LED control button Kensington security slot	1 GbE BaseT Uplink DC Power Connector Bluetooth Low Energy (BLE) LED status Indicators Reset/LED control button Kensington security slott	1x 2.5GbE BaseT PoE Class 4/6 Uplink 2x 1GbE BaseT PoE Class 3 Downlink 2x 1GbE BaseT Downlink DC Power Connector LED status Indicators Reset/LED control button Kensington security slot	2.5GbE BaseT Uplink DC Power Connector LED status Indicators Reset/LED control button Kensington security slot	1GbE Base-T uplink port LED status indicators Reset button Kensington security slot	1x 2.5GbE BaseT Uplink DC Power Connector LED status Indicators Reset/LED control button Kensington security slot
Recommended number of devices	50	75	75	100+	75	75

Technical Specifications

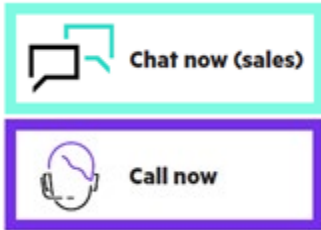|	AP21	AP22	AP22D	AP25	AP27	AP32
Antennas	Down-tilt Dual Omni- directional 2x2 MIMO	Down-tilt Dual Omni- directional 2x2 MIMO	Dual Semi-directional 2x2 MIMO	Down-tilt Dual Omni- directional 2x2 MU-MIMO	Dual omni-directional 2x2 MIMO	Down-tilt Dual Omni-directional 2x2 MU-MIMO
Antenna Gain	1.7dBi in 2.4GHz 4.8dBi in 5GHz	4.9dBi in 2.4GHz 5.7dBi in. 5GHz	5.2dBi in 2.4GHz 5.4dBi in 5GHz	3.7dBi in 2.4GHz 4.5dBi in 5GHz	2.9dBi in 2.4GHz 3.3dBi in 5GHz	2.8dBi in 2.4GHz 4.5dBi in 5GHz and 6GHz
Maximum Transmit Power	5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4Ghz band: +21dBm (+18dBm per chain, 3dBMIMO gain)	5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4Ghz band: +20dBm (+17dBm per chain, 3dB MIMO gain)	5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4Ghz band: +20dBm (+17dBm per chain, 3dB MIMO gain)	5GHz band: +24dBm (+18dBm per chain, 6dB MIMO gain) 2.4Ghz band: +21dBm (+18dBm per chain, 3dB MIMO gain)	5GHz band: +25dBm (+22dBm per chain, 3dB MIMO gain) 2.4GHz band: +25dBm (+22dBm per chain, 3dB MIMO gain)	5GHz & 6GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4Ghz band: +21dBm (+18dBm per chain, 3dB MIMO gain)
Power Options	PoE: 802.3at (class 4) or 802.3af (class 3) DC power (12V)	POE: 802.3af (class 3) DC power (12V)	PoE: 802.3bt (class 6) Full functionality or 802.3at (class 4) limited functionality DC power (48V)	POE: 802.3at (class 4) DC power (12V)	PoE: 802.3at (class 4)	PoE: 802.3at (class 4) DC power (12V)
Power Over Ethernet	PoE In: 802.3af/802.3at	POE In: 802.3af	POE In: 802.3at/802.3bt POE Out: 2x 15W PoE (802.3af)	POE In: 802.3at	PoE In: 802.3at	POE In: 802.3at
Max Power Consumption	PoE In: 802.3at 10.9W (DC)	10.1W (PoE) 8.8W (DC)	51W (PoE) 50W (DC)	20.1W (PoE) 15.9W (DC)	14.6W (PoE)	12.9W (PoE) 11.0W (DC)
Physical Specifications	145mm x 145mm x 51mm Weight: 255g	160mm x 160mm x 37mm Weight: 500g	86mm x 47mm x 150mm Weight: 360g	200mm x 200mm x 45mm Weight: 775g	180 mm x 232 mm x 120 mm Weight: 1170g	160mm (W) x 160mm (D) x 39mm (H) Weight: 520g
Mounting	Ceiling/Wall mount clip	Ceiling/Wall mount clip	Gang wall-box mount kit Desk mount kit	Ceiling/Wall mount clip	Ceiling/wall mount bracket	Ceiling/Wall mount clip
Operating Temperature	0° C to +40° C (+32° F to +104° F)	0° C to +40° C (+32° F to +104° F)	0° C to +40° C (+32° F to +104° F)	0° C to +40° C (+32° F to +104° F)	-40° C to +65° C (-40° F to +149° F)	0° C to +40° C (+32° F to +104° F)
Reliability (years)	106	91	88	76	248	62

Summary of Changes

Date	Version History	Action	Description of Change
01-Jul-2024	Version 7	Changed	Configuration Information section was updated
03-Jun-2024	Version 6	Changed	Configuration Information section was updated
08-Apr-2024	Version 5	Changed	Overview and Technical Specifications sections were updated.
04-Mar-2024	Version 4	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
05-Feb-2024	Version 3	Changed	QS was changed to a Family QS
08-Jan-2024	Version 2	Changed	Configuration Information section was updated
06-Nov-2023	Version 1	New	New QuickSpecs

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