

Overview

HPE Networking Instant On Access Points AP22D

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 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 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 AP22D is an SMB-focused Wi-Fi Certified 6 access point that provides reliable wired and wireless connectivity over a 2.5GbE uplink port with a minimal device footprint. This access point can reduce device clutter while powering downlink devices such as IP Phones or receipt printers with 2x 15W of PoE(802.3af) and supporting 75+ wireless devices over 802.11ax Wi-Fi 6 with an aggregate wireless throughput of 1.7Gbps.

Easily manage the HPE Networking Instant On AP22D with the HPE Networking Instant On mobile app or portal to create guest and employee networks, govern access control lists, and set POE schedules to customize power use. Make the most of your limited space in your small business by mounting the HPE Networking Instant On AP22D to a desk or wall with included mounting kits.



HPE Networking Instant On Access Points AP22D

Key Features

Overview

- Wi-Fi Certified 6™ (Wi-Fi 6) wireless access point, with 2.5GbE uplink port.
 - 2.5GbE uplink port provides up to 2x more bandwidth than 1GbE ports without the need for new Cat5/6(a) cables to be installed.
 - Four 1GbE downlink ports that supply up to 2x 15W of PoE (802.3af).
 - Up to 1.7Gbps aggregate wireless throughput.
 - **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.
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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
 - Ethernet cable
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Standard Features

Next-Generation 802.11ax Wi-Fi Features

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.

The Wi-Fi 6 family features MU-MIMO, OFDMA, and up to 4 spatial streams to keep these 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.

Trusted Platform Module (TPM)

All HPE Aruba 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.

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

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 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

Rule #	Description	SKU
HPE Networking Instant On Access Points AP22D		
5	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (RW1) AP22D	S1T35A
3	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (US) AP22D	S1U75A
4	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (RW) AP22D	S1U76A
1, 8	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (JP) AP22D	S1U77A
2, 9	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (EG) AP22D	S1U78A
6, 7	HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 (IL) AP22D	S1U79A

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

[OCA Only Model Selection Form](#) -

[Aruba > Instant On > Wireless Access Points: Desk/Wall AP22D](#)

Configuration Rules

Rule #	Description
1	Available everywhere except European Union, US, 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 everywhere except European Union, US, Israel, Egypt and Japan.
7	Notes: OCA Display Note: 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

Standard (Min 0 // max 1) User Selection (min 0 // max 1)

Rule #	Description	SKU
1	HPE Networking Instant On 802.3af 15.4W POE Midspan Injector	R8W31A
1	HPE Networking Instant On 48V/50W PSU Power Adaptor	R3X86A
1	HPE Networking 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)

AP-500H-MNT1 Kit with Single-gang Wall-box Mount Adapter for 500H Series AP	R3V58A
<ul style="list-style-type: none"> For wall and (wiring) wall-box 	
AP-505H-MNT2 Kit with Dual-gang Wall-box Mount Adapter for AP-505H	R3V59A
<ul style="list-style-type: none"> For wall and (wiring) wall-box 	

Configuration Information

AP-500H-MNTD Kit with Desk Mount Adapter for 500H Series AP	R3V60A
<ul style="list-style-type: none">• For desk	
AP-503H-MNT2 Kit with Dual-gang Wall-box Mount Adapter for AP-503H	R3V61A
<ul style="list-style-type: none">• For wall and (wiring) wall-box	
HPE Aruba Networking AP-500H-MNTD2 RJ45 Ethernet Jack Desk Mount	S0J41A
<ul style="list-style-type: none">• For desk	

Notes: [OCA Display Note - AP22D Unit ships with two mounting brackets, one for the ceiling mount and one for the wall mount](#)

Technical Specifications

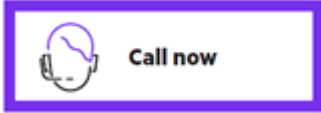
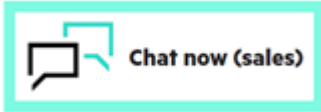
HPE Networking Instant On Access Points AP22D	
Radios	Dual-band 802.11ax 2x2 5Ghz/2.4Ghz MIMO
Maximum Data Rate	574 Mbps (2.4Ghz) 900 Mbps (aggregate switch capacity)
Interfaces	1.2Gbps (5Ghz) 1x 2.5GbE Base-T Uplink Port 4x 1GbE Base-T Downlink Port DC Power Connector LED status Indicators Reset/LED control button Kensington security slot
Antennas	Dual Omni-directional 2x2 MIMO
Maximum Transmit Power	5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4Ghz band: +20dBm (+17dBm per chain, 3dB MIMO gain)
Power Options	POE: 802.3bt (class 6) Full functional- ity or 802.3at (class 4) limited functionality DC power (48V)
Power Over Ethernet	POE In: 802.3at/802.3bt POE Out: 2x 15W PoE (802.3af)
Max Power Consumption	51W (PoE) 50W (DC)
Physical Specifications	86mm x 47mm x 150mm Weight: 360g
Mounting	Gang wall-box mount kit Desk mount kit
Operating Temperature	0° C to +40° C (+32° F to +104° F)
Reliability (years)	88
Antenna Gain	5.2dBi in 2.4GHz 5.4dBi in 5GHz
Management Options	Mobile Application Cloud Portal
Warranty & Support	2-year

Summary of Changes

Date	Version History	Action	Description of Change
06-Nov-2023	Version 1	New	New QuickSpecs

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