

### Overview

**\*\*For latest information on this product please use [HPE Networking Instant On Wi-Fi 6 Access Points QuickSpecs](#)\*\***

### 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.

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**HPE Networking Instant On Access Points AP22D**

## Overview

### Key Features

- 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
- 



## 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 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.

#### 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.

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## 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.

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## 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,	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 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.	
8	If the ordered qty of this AP is greater than 5, then the default will be the following Eco-Friendly 5-Pack(s) with the remainder as individual packs. Allow user to change the full quantity easily back to individual packs	
	HPE Networking Instant On AP22D (RW) Dual Radio 2x2 Wi-Fi 6 Access Point Pack of 5	S1U81A
	If ordering more than qty5 of this AP, consider ordering the Eco-Friendly 5-Packs(S1U81A). Please revert back to single pack if individual sale is desired.	
9	If the ordered qty of this AP is greater than 5, then the default will be the following Eco-Friendly 5-Pack(s) with the remainder as individual packs. Allow user to change the full quantity easily back to individual packs	
	HPE Networking Instant On AP22D (US) Dual Radio 2x2 Wi-Fi 6 Access Point Pack of 5	S1U80A
	If ordering more than qty5 of this AP, consider ordering the Eco-Friendly 5-Packs(S1U80A). Please revert back to single pack if individual sale is desired.	
Remarks:	OCA Only Model Selection Form - HPE Aruba Networking > Instant On > Wireless Access Points: Desk/Wall AP22D	
HPE Networking Instant On Access Points AP22D Bundle		
6	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (JP) AP22D <ul style="list-style-type: none"><li>Includes 48V Power Adapter with US Power Cord</li></ul>	SOJ35A
5	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (US) AP22D <ul style="list-style-type: none"><li>Includes 48V Power Adapter with US Power Cord</li></ul>	SOJ32A
7	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (EU) AP22D <ul style="list-style-type: none"><li>Includes 48V Power Adapter with EU Power Cord</li></ul>	SOJ33A
1,2,4	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (RW) AP22D <ul style="list-style-type: none"><li>Includes 48V Power Adapter with Localized Power Cord</li></ul>	SOJ34A
	HPE Networking Instant On Access Point Bundle with PSU Dual Radio 2x2 Wi-Fi 6 (RW) AP22D NoLoc <ul style="list-style-type: none"><li>No Localized Power Cord Selected</li></ul>	SOJ34A#AC3

## Configuration Information

### 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 and Japan.
- 5 Available in US only
- 6 Available in Japan only
- 7 Available in European Union only

**Remarks:** OCA Only Model Selection Form -  
HPE Aruba Networking > Instant On > Wireless Access Points:  
Desk/Wall AP22D Bundles

## 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

- | Rule # | Description  | SKU    |
|--------|--|--------|
| 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

- | Rules | Description   | SKU |
|-------|---|-----|
| 1     | If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the HPE Aruba Networking 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 |
| <ul style="list-style-type: none"> <li>For wall and (wiring) wall-box</li> </ul>        |        |
| HPE Aruba Networking AP-505H-MNT2 Kit AP-505H Dual Wall-Box Mount Adapter               | R3V59A |
| <ul style="list-style-type: none"> <li>For wall and (wiring) wall-box</li> </ul>        |        |
| AP-500H-MNTD Kit with Desk Mount Adapter for 500H Series AP                             | R3V60A |
| <ul style="list-style-type: none"> <li>For desk</li> </ul>                              |        |
| HPE Aruba Networking AP-503H-MNT2 AP-503H Kit Dual Wall-Box Mount Adapter               | R3V61A |
| <ul style="list-style-type: none"> <li>For wall and (wiring) wall-box</li> </ul>        |        |
| HPE Aruba Networking AP-500H-MNTD2 RJ45 Ethernet Jack Desk Mount                        | S0J41A |
| <ul style="list-style-type: none"> <li>For desk</li> </ul>                              |        |

**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

<b>Radios</b>	Dual-band 802.11ax 2x2 5GHz/2.4GHz MIMO
<b>Maximum Data Rate</b>	574 Mbps (2.4GHz) 900 Mbps (aggregate switch capacity)
<b>Interfaces</b>	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
<b>Antennas</b>	Dual Omni-directional 2x2 MIMO
<b>Maximum Transmit Power</b>	5GHz band: +21dBm (+18dBm per chain, 3dB MIMO gain) 2.4GHz band: +20dBm (+17dBm per chain, 3dB MIMO gain)
<b>Power Options</b>	POE: 802.3bt (class 6) Full functional- ity or 802.3at (class 4) limited functionality DC power (48V)
<b>Power Over Ethernet</b>	POE In: 802.3at/802.3bt POE Out: 2x 15W PoE (802.3af)
<b>Max Power Consumption</b>	51W (PoE) 50W (DC)
<b>Physical Specifications</b>	86mm x 47mm x 150mm Weight: 360g
<b>Mounting</b>	Gang wall-box mount kit Desk mount kit
<b>Operating Temperature</b>	0° C to +40° C (+32° F to +104° F)
<b>Reliability (years)</b>	88
<b>Antenna Gain</b>	5.2dBi in 2.4GHz 5.4dBi in 5GHz
<b>Management Options</b>	Mobile Application Cloud Portal
<b>Warranty &amp; Support</b>	2-year



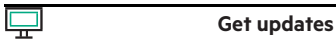
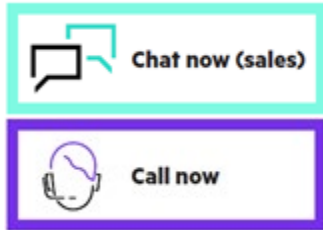
Summary of Changes

Date	Version History	Action	Description of Change
08-Jan-2024	Version 2	Changed	Configuration Information section was updated
06-Nov-2023	Version 1	New	New QuickSpecs



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