

HPE Networking Instant On Access Points AP22D

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



What's new

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

Overview

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 2.5 GbE 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 1.7 Gbps.

Easily manage the Instant On AP22D with the 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



throughput.

limited space in your small business by mounting the Instant On AP22D to a desk or wall with included mounting kits.

Features

802.11ax Wi-Fi CERTIFIED 6™

HPE Networking Instant On Access Points AP22D features Orthogonal Frequency-Division Multiple Access (OFDMA) which allows access points to handle multiple Wi-Fi 6 capable clients on each channel simultaneously and improve efficiency by boosting overall capacity, reducing latency.

Target Wake Time (TWT): Ideal for IoT devices that communicate infrequently, TWT establishes a schedule for when clients need to communicate with an AP. This reduces power consumption and can extend the battery life of clients.

Multi-User, Multiple Input, Multiple Output (MU-MIMO), allows the access point to simultaneously serve multiple clients (Wi-Fi 5 and Wi-Fi 6).

2.5 Gigabit Ethernet Uplink Port

HPE Networking Instant On Access Points AP22D offers increased available bandwidth to allow for more traffic over Wi-Fi 6 or with the downlink ethernet ports.

Use existing cabling infrastructure like Cat5 or Cat6(a) cables and avoid the additional cost of running new cables across your facility.

Future-proof your environment with the added bandwidth capacity to handle the ever-growing world of cloud-based applications.

Four Downlink 1 Gigabit Ethernet Ports

Connect up to four copper RJ-45 devices to the HPE Networking Instant On Access Points AP22D without the need for an additional switch to manage.

Downlink ports can power two 15W PoE (802.3af) devices without the intervention of a bulky PoE-Injector.



Technical specifications**HPE Networking Instant On Access Point Dual Radio 2x2 Wi-Fi 6 5-Pack (RW) AP22D**

Product Number	S1U81A
Differentiator	<p>In the Box: Bundle includes 5 access points, mount kits, and Ethernet cables.</p> <p>HPE Networking Instant On Access Point 5-Pack Quick Start guide Combined ceiling and wall rail mount clip Ethernet cable Desktop mount</p> <p>For use in those countries and regions where no specific regulatory domain is required.</p>
Certifications	Wi-Fi Alliance certified (WFA) 802.11ax with (Wi-Fi 6), WPA2, WPA3
Input voltage	<p>PoE: 802.3bt (class 6) Full functionality or 802.3at (class 4) limited functionality DC power (48V) PoE In: 802.3at/802.3bt POE Out: 2x 15W PoE (802.3af)</p> <p>Note: Power sources are sold separately unless you purchase the bundle SKU</p>
Wi-Fi antenna	<p>Antennas: Dual semi-directional 2x2 MIMO Antenna Gain: 5.2 dBi in 2.4GHz and 5.4 dBi in 5 GHz Maximum transmit power: 5 GHz band: +21 dBm (+18 dBm per chain, 3 dB MIMO gain) 2.4 GHz band: +20 dBm (+17 dBm per chain, 3 dB MIMO gain)</p>
Connectivity, standard	Ultra-fast 802.11ax
Ports	<p>1x 2.5 GbE Base-T PoE Class 4/6 uplink 2x 1 GbE Base-T PoE Class 3 downlink 2x 1 GbE Base-T downlink DC power connector LED status indicators Reset/LED control button Kensington security slot</p>
Mounting	Gang wall box-mount kit or Desk-mount kit
Power consumption	51W (PoE) or 50W (DC)
Radio coverage	<p>Dual-radio 802.11ax 2x2 5 GHz/2.4 GHz MIMO</p>
Warranty	<p>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 available for the life of the product.</p>



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: <https://www.hpe.com/edge/services>

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include: Annual subscription services include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer
- Network optimization
- Intelligent Operations
- Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

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