

HPE Networking Instant On Access Points AP21

HPE Networking Instant On AP21 (US) Dual Radio 2x2 Wi-Fi 6 Access Point (S1T08A)



What's new

- Wi-Fi CERTIFIED 6™ support for up to 50 user devices.
- Designed to provide better speed and coverage for smaller spaces.
- PoE or DC powered to expand your network.

Overview

The HPE Networking Instant On Access Point AP21 is a dual radio indoor access point designed to bring connectivity to small spaces. This Wi-Fi CERTIFIED 6™ access point offers modern Wi-Fi standards in a small footprint to enhance the connectivity of your network for up to 50 devices. The dual-band radios offer suitable range for a 1500 square feet space at an affordable price with the same features as other more costly access points.

- Use with any other Instant On access points to create a Smart Mesh to extend your network without additional ethernet cables.
- Best when used in conference rooms, home offices, or low-density environments.

The AP21 can also be used with Smart Mesh with any other Instant On access point to extend your network coverage without needing to run new cables; HPE Networking Instant On AP21 small yet mighty coverage for your growing wireless needs.

Features

802.11ax Wi-Fi CERTIFIED 6™

The HPE Networking Instant On Access Point AP21 features Orthogonal Frequency-Division Multiple Access (OFDMA) which allows them to handle multiple Wi-Fi 6 capable clients on each channel simultaneously; this improves efficiency by boosting overall capacity and 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.

Multiple Input, Multiple Output (MIMO): Allows the access point to serve multiple clients (Wi-Fi 5 and Wi-Fi 6) simultaneously.

Safeguard Your Network With WPA-Enterprise Features

HPE Networking Instant On Access Points AP21 come with top-level security features, always on, out of the box, such as WPA2/WPA3 and Enhanced Open support for protecting your wireless network.

Use the HPE Networking Instant On mobile app or web portal to see where clients on your network are going with the application's insight.

Block certain types of traffic in the mobile app or web portal to keep your network safe and employees productive.

Create a Custom Guest Access Experience

HPE Networking Instant On Access Point AP21 is ideal for single-site businesses or homes like cafes, restaurants, or office buildings.

The easy-to-use captive portal, free to set up in the HPE Networking Instant On app or web portal, creates an easy onboarding process for employees or guests.

Integrate with 3rd party analytics partners like Skyfii, Aislelabs, and Wavespot to gain customer insights while they are on your network.

Product Number	S1T08A
Differentiator	<p>In the Box:</p> <ul style="list-style-type: none">HPE Networking Instant On Access PointQuick Start guideCombined ceiling and wall rail mount clipEthernet cable <p>Add PoE or DC power source Regulatory domain of US.</p>
Wi-Fi antenna	<p>Antennas: Dual Omni-directional 2x2 MIMO Antenna Gain: 1.7 dBi in 2.4 GHz and 4.8 dBi in 5 GHz Maximum transmit power: 5 GHz band: +21 dBm (+18 dBm per chain, 3 dB MIMO gain) 2.4 GHz band: +21 dBm (+18 dBm per chain, 3 dB MIMO gain)</p>
Certifications	Wi-Fi Alliance certified (WFA) 802.11ax with (Wi-Fi 6), WPA2, WPA3
Warranty	<p>Instant On 2-year warranty includes 24X7 phone support for the first 90 days and chat support. See the warranty duration. Community support is available for the life of the product.</p>
Input voltage	<p>PoE: 802.3af (class 3) DC power (12V)</p> <p>Note: Power sources are sold separately unless you purchase the bundle SKU</p>
Connectivity, standard	Ultra-fast 802.11ax
Ports	<ul style="list-style-type: none">1 GbE Base-T uplink portDC power connectorLED status indicatorsReset/LED control buttonKensington security slot
Mounting	Ceiling/Wall mount clip
Power consumption	10.1W (PoE) or 10.9W (DC)
Radio coverage	<p>Dual-radio 802.11ax/n 2x2 5 GHz/2.4 GHz MIMO</p>

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Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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- Unify and secure data, as you move faster
- Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

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

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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