

# HPE Networking Instant On Access Points AP21

## HPE Networking Instant On AP21 (RW) Dual Radio 2x2 Wi-Fi 6 Access Point (S1T09A)



### 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.
- 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.

### 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.

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.

Technical specifications		HPE Networking Instant On AP21 (RW) Dual Radio 2x2 Wi-Fi 6 Access Point	
<b>Product Number</b>	S1T09A		
<b>Differentiator</b>	<p>In the Box:</p> <ul style="list-style-type: none"> <li>HPE Networking Instant On Access Point</li> <li>Quick Start guide</li> <li>Combined ceiling and wall rail mount clip</li> <li>Ethernet cable</li> </ul> <p>Add PoE or DC power source For use in those countries and regions where no specific regulatory domain is required.</p>		
<b>Wi-Fi antenna</b>	<p>Antennas: Dual Omni-directional 2x2 MIMO</p> <p>Antenna Gain: 1.7 dBi in 2.4 GHz and 4.8 dBi in 5 GHz</p> <p>Maximum transmit power:</p> <ul style="list-style-type: none"> <li>5 GHz band: +21 dBm (+18 dBm per chain, 3 dB MIMO gain)</li> <li>2.4 GHz band: +21 dBm (+18 dBm per chain, 3 dB MIMO gain)</li> </ul>		
<b>Certifications</b>	Wi-Fi Alliance certified (WFA) 802.11ax with (Wi-Fi 6), WPA2, WPA3		
<b>Warranty</b>	<p>Instant On 2-year warranty includes 24X7 phone support for the first 90 days and chat support. See the warranty duration.</p> <p>Community support is available for the life of the product.</p>		
<b>Input voltage</b>	<p>PoE: 802.3af (class 3) DC power (12V)</p> <p>Note: Power sources are sold separately unless you purchase the bundle SKU</p>		
<b>Connectivity, standard</b>	Ultra-fast 802.11ax		
<b>Ports</b>	<ul style="list-style-type: none"> <li>1 GbE Base-T uplink port</li> <li>DC power connector</li> <li>LED status indicators</li> <li>Reset/LED control button</li> <li>Kensington security slot</li> </ul>		
<b>Mounting</b>	Ceiling/Wall mount clip		
<b>Power consumption</b>	10.1W (PoE) or 10.9W (DC)		
<b>Radio coverage</b>	<p>Dual-radio 802.11ax/n</p> <p>2x2 5 GHz/2.4 GHz MIMO</p>		

# HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

## Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

## Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

## Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.
- **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

## Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

## HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

## **HPE GreenLake**

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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