

HPE Networking Instant On AP21 (RW) (S1T09A)

HPE Networking Instant On AP21 (RW) - Radio access point - Wi-Fi 6 - 2.4 GHz, 5 GHz - BTO - wall / ceiling mountable



The HPE Networking Instant On 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 spaces up to 1500 square feet. HPE Networking Instant On AP2 - small yet mighty coverage for your growing wireless needs.

Key Selling Points

- 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 to extend your network without additional ethernet cables
- Ideal for conference rooms, home offices, or low-density environments

Product Features

- 802.11ax Wi-Fi Certified 6
- The HPE Networking Instant On AP21 features Orthogonal Frequency-Division Multiple Access (OFDMA) which allows it 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) is ideal for IoT devices that communicate infrequently, as it 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.
- Create a custom guest access experience
- HPE Networking Instant On AP21 is ideal for single-site businesses or homes like cafés, restaurants, or office buildings.

Main Specifications

Product Description	HPE Networking Instant On AP21 (RW) - radio access point - Wi-Fi 6
Device Type	Radio access point
Form Factor	Wall / ceiling mountable - indoor
Data Link Protocol	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6)
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 1.2 Gbps Maximum data rate (2.4 GHz): 300 Mbps
Included Accessories	Ceiling/wall mount clip
Power Over Ethernet (PoE) Supported	PoE
Pricing Type	BTO
Dimensions (WxDxH)	14.5 cm x 14.5 cm x 5.1 cm
Weight	255 g
Manufacturer Warranty	2-year warranty

Extended Specification

General

Device Type	Radio access point
Ruggedized Design	Indoor
Width	14.5 cm
Depth	14.5 cm
Height	5.1 cm
Weight	255 g

Expansion / Connectivity

Interfaces	1 x 1000Base-T (uplink) - RJ-45
------------	---------------------------------

Manufacturer Warranty

Service & Support	Limited warranty - 2 years
-------------------	----------------------------

Networking

Form Factor	Wall / ceiling mountable
Connectivity Technology	Wireless
Data Link Protocol	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6)
Spread Spectrum Method	OFDMA
Network / Transport Protocol	PPPoE
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 1.2 Gbps Maximum data rate (2.4 GHz): 300 Mbps
Status Indicators	Status, wireless
Features	Static IP mode, Transmit Beamforming, Low Density Parity Check (LDPC), Advanced Cellular Coexistence (ACC), Trusted Platform Module (TPM), BSS Coloring, Target Wait Time (TWT), MU-MIMO technology, reset button, 2x2 MIMO technology, security slot (Kensington security lock compatible), PoE Class 3, PoE Class 4
Compliant Standards	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, IEEE 802.11a, IEEE 802.11b, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, Wi-Fi CERTIFIED 6

Miscellaneous

Included Accessories	Ceiling/wall mount clip
MTBF	106 years
Pricing Type	BTO

Power

Power Over Ethernet (PoE) Supported	PoE
Power Device	External power adapter (not included)

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C

Aerial

Antenna	Internal
Antenna Qty	2
Directivity	Omni-directional

What's in the box

- HPE Networking Instant On AP21 (RW)
- Ceiling/wall mount clip

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet