

HPE Networking Instant On AP25 (RW) (R9B28A)

HPE Networking Instant On AP25 (RW) - Radio access point - Wi-Fi 6 - Bluetooth - 2.4 GHz, 5 GHz - cloud-managed - BTO - wall / ceiling mountable



The HPE Networking Instant On AP25 (RW) is an advanced wireless access point designed to meet the demands of modern businesses. With its support for Wi-Fi 6 technology and Bluetooth Low Energy (LE), it offers fast, efficient connectivity across a wide range of devices. The device ensures robust security through features like WPA3 encryption, 2-factor authentication, and a Trusted Platform Module (TPM), making it an ideal choice for businesses concerned with protecting their data. Performance is at the heart of the AP25 4x4:4 MU-MIMO technology, and up to 5.3 Gbps aggregate bandwidth. This ensures a smooth, lag-free online experience, even under heavy data loads. Additionally, its Smart Mesh technology, coupled with a rugged design for indoor use, makes network expansion straightforward and efficient. Managing your network is easier than ever with the Instant On ecosystem, which allows for simple setup and remote management, ensuring your network is always running at its best. Whether you're looking to upgrade your current setup or build a new network from scratch, the HPE Networking Instant On AP25 (RW) offers the performance, security, and ease of use you need.

Key Selling Points

- Wi-Fi 6 and Bluetooth LE for high-speed, efficient connectivity
- WPA3 encryption and 2-factor authentication for enhanced network security
- Up to 5.3 Gbps aggregate bandwidth supports heavy data loads
- Smart Mesh technology enables easy network expansion
- Cloud-managed with multi-site support for effortless remote management

Product Features

- Enhanced connectivity**
With support for Wi-Fi 6 and Bluetooth Low Energy (LE), the HPE Networking Instant On AP25 (RW) ensures high-speed, efficient connectivity. Its 2.5GBase-T (uplink, PoE) interface, coupled with features like OFDMA and MU-MIMO technology, provides a seamless Internet experience across multiple devices.
- Robust security**
The device boasts a comprehensive suite of security features, including WPA3 encryption, 2-factor authentication, and a Trusted Platform Module (TPM). These features work together to protect your network from unauthorized access and ensure data integrity.
- Optimized performance**
Achieve high network performance with features like 160MHz bandwidth support, 4x4:4 streams, and up to 5.3 Gbps aggregate bandwidth. The AP25 (RW) is designed to handle heavy data loads, providing a smooth, lag-free online experience.
- Intelligent design**
Designed for both wall and ceiling mount, the HPE Networking Instant On AP25 (RW) is ideal for indoor use. Its rugged design is complemented by Smart Mesh technology, enabling easy expansion of your network without additional cabling.
- Effortless management**
Cloud-managed with multi-site support, the AP25 (RW) allows for easy setup and remote management of your network. Features like the reset button and static IP mode offer straightforward troubleshooting and configuration.

Main Specifications

Product Description	HPE Networking Instant On AP25 (RW) - radio access point - Wi-Fi 6, Bluetooth - cloud-managed
Device Type	Radio access point
Form Factor	Wall / ceiling mountable - indoor
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, Bluetooth LE, IEEE 802.11ax (Wi-Fi 6)
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 4.8 Gbps Maximum data rate (2.4 GHz): 574 Mbps Aggregate bandwidth: 5.3 Gbps
Included Accessories	Wall/ceiling rail mounting clip
Power Over Ethernet (PoE) Supported	PoE
Pricing Type	BTO
Dimensions (WxDxH)	20.3 cm 5.1 cm
Weight	1.18 kg
Manufacturer Warranty	2-year warranty

Extended Specification

General

Device Type	Radio access point
Ruggedized Design	Indoor
Width	20.3 cm
Height	5.1 cm
Weight	1.18 kg

Expansion / Connectivity

Interfaces	1 x 2.5GBase-T (uplink, PoE) - RJ-45 - 20.1 W
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Manufacturer Warranty

Service & Support	Limited warranty - 2 years † Technical support - phone consulting - 90 days from date of purchase † Technical support - web support - 2 years
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Networking

Form Factor	Wall / ceiling mountable
Connectivity Technology	Wireless
Line Coding Format	1024 QAM
Data Link Protocol	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, Bluetooth LE, IEEE 802.11ax (Wi-Fi 6)
Spread Spectrum Method	OFDMA
Network / Transport Protocol	PPPoE
Cloud-Managed	Yes
Frequency Band	2.4 GHz, 5 GHz
Performance	Maximum data rate (5 GHz): 4.8 Gbps † Maximum data rate (2.4 GHz): 574 Mbps † Aggregate bandwidth: 5.3 Gbps
Status Indicators	Status, reset
Features	Wall mountable, static IP mode, Trusted Platform Module (TPM), reset button, Low Density Parity Check (LDPC), Transmit Beam-forming (TxBF) ready, security lock slot (cable lock sold separately), Advanced Cellular Coexistence (ACC), MU-MIMO technology, 4x4:4 streams, 4x4:4 MU-MIMO technology, 2-factor authentication, security slot (Kensington security lock compatible), Bluetooth (BLE) clients support, Orthogonal Frequency Division Multiple Access (OFDMA), Target Wait Time (TWT), Smart Mesh technology, 160MHz bandwidth support, BSS Coloring, Target Wake Time (TWT), multi-site management
Encryption Algorithm	WPA2, WPA3
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.3at, IEEE 802.11ac, IEEE 802.11ax, Wi-Fi CERTIFIED 6

Miscellaneous

Included Accessories	Wall/ceiling rail mounting clip
Cables Included	1 x network cable
MTBF	76 years
Compliant Standards	EN 60601-1-2, EN 60601-1-1, WFA
Pricing Type	BTO

Power

Power Over Ethernet (PoE) Supported	PoE
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Software / System Requirements

Software Included	InstantOn
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Environmental Parameters

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

Aerial

Antenna	Internal
Antenna Qty	2
Directivity	Omni-directional
Gain Level	4.55 dBi

Internet of Things (IoT)

Internet of Things (IoT) Compatible	Yes
Communications Technology	Bluetooth Low Energy (LE)

What's in the box

HPE Aruba Instant ON AP25 (RW)

Network cable

Wall/ceiling rail mounting clip

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