

HPE Aruba Instant ON AP22 (RW) (R4W02A)

HPE Aruba Instant ON AP22 (RW) - Radio access point - 802.11ax - Bluetooth, Wi-Fi - 2.4GHz, 5 GHz - Wall / Ceiling mountable - WIFI 6



The HPE Networking Instant On AP22 (RW) is a wireless access point designed to meet the demands of modern businesses and high-density environments. With its support for Wi-Fi 6 (802.11ax) standard and Bluetooth Low Energy (LE), this device offers enhanced wireless connectivity, allowing for faster and more efficient communication between devices. Security is a priority for the AP22 (RW), featuring WPA3 encryption and a Trusted Platform Module (TPM) to protect your network from unauthorized access and potential vulnerabilities. In addition to its robust security features, the AP22 (RW) supports high-speed data transfer rates of up to 1.2 Gbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band, thanks to its 2x2 MIMO technology. This ensures a seamless and efficient online experience, whether you're streaming video, transferring large files, or engaging in online gaming. The device also incorporates Smart Mesh technology, Advanced Cellular Coexistence (ACC), and BSS Coloring to optimize network performance and minimize interference, making it an ideal solution for expanding your network without the need for additional wiring. Designed for versatility, the AP22 (RW) can be mounted on walls or ceilings to meet the specific needs of your space. Its ruggedized indoor design and support for Power over Ethernet (PoE) make installation straightforward and adaptable to various environments. Whether you're looking to upgrade your current network or setting up a new one, the HPE Networking Instant On AP22 (RW) offers a powerful, secure, and flexible wireless solution.

Key Selling Points

- Wi-Fi 6 (802.11ax) and Bluetooth Low Energy (LE) for enhanced wireless connectivity
- WPA3 encryption and Trusted Platform Module (TPM) for robust network security
- Supports up to 1.2 Gbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band for high-speed data transfer
- Smart Mesh technology for easy network expansion and optimization
- Wall or ceiling mountable with ruggedized indoor design for flexible deployment

Product Features

- Enhanced connectivity**  
With support for Wi-Fi 6 (802.11ax) and Bluetooth Low Energy (LE), the HPE Networking Instant On AP22 (RW) offers faster and more efficient wireless connectivity. This technology ensures a smoother, more reliable wireless experience for all connected devices.
- Robust security**  
Equipped with WPA3 encryption, the AP22 (RW) provides a higher level of security for your network, protecting against unauthorized access and ensuring your data remains safe. Additionally, the Trusted Platform Module (TPM) adds an extra layer of hardware-based security, safeguarding your network from potential vulnerabilities.
- Optimized performance**  
Featuring 2x2 MIMO technology and support for up to 1.2 Gbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band, the AP22 (RW) is designed to handle high-density environments with ease. Whether streaming video, transferring large files, or engaging in online gaming, users can expect a seamless and efficient online experience.
- Intelligent networking**  
The AP22 (RW) incorporates Smart Mesh technology, allowing for easy expansion of your network without the need for additional wiring. This feature, along with Advanced Cellular Coexistence (ACC) and BSS Coloring, optimizes network performance and minimizes interference, ensuring a robust and reliable wireless connection throughout your space.
- Flexible deployment**  
Designed for versatility, the AP22 (RW) can be mounted on walls or ceilings to meet the specific needs of your space. Its ruggedized indoor design and PoE support make installation straightforward and adaptable to various environments, ensuring optimal placement for maximum coverage and performance.

Main Specifications

|                                     |                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Product Description                 | HPE Networking Instant On AP22 (RW) - radio access point - Bluetooth, Wi-Fi 6                             |
| Device Type                         | Radio access point                                                                                        |
| Form Factor                         | Wall / ceiling mountable - indoor                                                                         |
| Data Link Protocol                  | Bluetooth, IEEE 802.11b, IEEE 802.11a, 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): 574 Mbps                               |
| Included Accessories                | Wall/ceiling rail mounting clip                                                                           |
| Power Over Ethernet (PoE) Supported | PoE                                                                                                       |
| Dimensions (WxDxH)                  | 16 cm x 16 cm x 3.7 cm                                                                                    |
| Weight                              | 500 g                                                                                                     |
| Manufacturer Warranty               | 1-year warranty                                                                                           |

# Extended Specification

## General

|                   |                    |
|-------------------|--------------------|
| Device Type       | Radio access point |
| Ruggedized Design | Indoor             |
| Width             | 16 cm              |
| Depth             | 16 cm              |
| Height            | 3.7 cm             |
| Weight            | 500 g              |

## Expansion / Connectivity

|            |                            |
|------------|----------------------------|
| Interfaces | 1 x Ethernet 1000 (uplink) |
|------------|----------------------------|

## Manufacturer Warranty

|                   |                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| Service & Support | Limited warranty - 1 year   Technical support - phone consulting - 90 days   Product info support - web support - 1 year |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|

## Networking

|                              |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor                  | Wall / ceiling mountable                                                                                                                                                                                                                                                                                                                                                                       |
| Connectivity Technology      | Wireless                                                                                                                                                                                                                                                                                                                                                                                       |
| Line Coding Format           | 1024 QAM                                                                                                                                                                                                                                                                                                                                                                                       |
| Data Link Protocol           | Bluetooth, IEEE 802.11b, IEEE 802.11a, 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): 574 Mbps                                                                                                                                                                                                                                                                                                                    |
| Status Indicators            | Status                                                                                                                                                                                                                                                                                                                                                                                         |
| Features                     | Firewall protection, manageable, 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, 2x2 MIMO technology, Bluetooth (BLE) clients support, Target Wait Time (TWT), Smart Mesh technology, BSS Coloring |
| Encryption Algorithm         | WPA2, WPA3                                                                                                                                                                                                                                                                                                                                                                                     |
| Compliant Standards          | IEEE 802.11b, IEEE 802.11a, IEEE 802.3af, IEEE 802.11g, IEEE 802.11n, 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                 | 91 years                            |
| Compliant Standards  | UL 2043, EN 60601-1-2, EN 60601-1-1 |

## Power

|                                     |     |
|-------------------------------------|-----|
| Power Over Ethernet (PoE) Supported | PoE |
|-------------------------------------|-----|

## Software / System Requirements

|                   |           |
|-------------------|-----------|
| Software Included | InstantOn |
|-------------------|-----------|

## Environmental Parameters

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

*Aerial*

|                    |                         |
|--------------------|-------------------------|
| <i>Antenna</i>     | <i>Internal</i>         |
| <i>Directivity</i> | <i>Omni-directional</i> |

*Internet of Things (IoT)*

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| <i>Internet of Things (IoT) Compatible</i> | <i>Yes</i>                       |
| <i>Communications Technology</i>           | <i>Bluetooth Low Energy (LE)</i> |

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