# HPE Aruba Networking 530 Series Campus Access Points

HPE Aruba Networking AP-534 (RW) Dual Radio 4x4 802.11ax External Antennas Unified Campus AP (JZ331A)


**What's new**

- Wi-Fi 6 access points (APs) provide up to 2.97 Gbps combined aggregate data rate.
- Dual radio AP supporting 5 GHz and 2.4 GHz bands (4x4 MIMO).
- Protects network security with stronger encryption and authentication, secure credentials/keys storage, and user and IoT access policy enforcement firewalls (PEF).
- IoT-ready with support for [1] Bluetooth 5

## Overview

The HPE Aruba Networking 530 Series Campus Access Points provide Wi-Fi 6 connectivity for high-density deployments such as larger office spaces, training and meeting facilities, and hospitals. Providing up to 2.97 Gbps combined aggregate data rate, this series is built on Wi-Fi 6 standards (IEEE 802.11ax) and includes features such as OFDMA, bidirectional MU-MIMO, and target wait time (TWT) for better multi-user performance and improved efficiency.

This series can be deployed using Zero Touch Provisioning, without onsite technical expertise, for ease of implementation in branch offices and for remote work. HPE Aruba Networking Central provides a single pane of

and Zigbee and two 5 Gbps ports for fast wired connectivity.

- Deploy models with internal antennas or connectorized models that support external antennas to meet range of environments.

glass for overseeing wired and wireless LANs, WANs, and VPNs. AIpowered analytics, endtoend orchestration and automation, and advanced security features are built natively into the solution. The 530 series includes a limited lifetime warranty.

## Features

### Boost your Wi-Fi 6 Performance

The HPE Aruba Networking 530 Series Campus Access Points are designed to simultaneously serve multiple clients and traffic types providing up to 2.97 Gbps combined aggregate data rate.

Dual-radio (dual 4x4 MIMO) 802.11ax AP with up-and downlink OFDMA and Multi-User MIMO (MU-MIMO).

The AP includes features such as OFDMA, bidirectional MU-MIMO, and target wait time (TWT) for better multi-user performance and improved efficiency.

Enhanced wireless experience with HPE Aruba Networking ClientMatch technology removes sticky client issues by steering a client to the AP where it it receives one of the best radio signals.

Two 5 Gbps ports provide flexibility to support speeds of 1, 2.5, or 5 Gbps (or 100 Mbps).

### Security By Design

The HPE Aruba Networking 530 Series Campus Access Points offer enhanced security with Dynamic Segmentation to remove the time-consuming and error-prone task of managing complex and static VLANs, ACLs, and subnets by dynamically assigning policies and keeping traffic protected and separated.

It offers stronger encryption and authentication with WPA3, protected credentials/keys storage for guest access with Enhanced Open, and user and IoT access policy enforcement firewalls (PEF).

The AP simplifies policy enforcement by using the PEF to encapsulate all traffic from the AP to the gateway (or mobility controller) for end-to-end encryption and inspection.

For enhanced device assurance, the 530 series include an installed Trusted Platform Module (TPM) for protected storage of credentials and keys, and boot code.

### IoT Ready

The HPE Aruba Networking 530 Series Campus Access Points can serve as IoT platforms that bolster network security and provide coverage for a range of IoT devices without the need for network overlays.

The AP supports an integrated Bluetooth 5 and 802.15.4 radio (for Zigbee support), as well as a USB port for increased flexibility, providing better security and reliable connectivity for IoT devices.

HPE Aruba Networking Central Client Insights uses deep packet inspection to provide additional context and behavioral information that help verify devices are receiving proper policy enforcement and continuously monitor for rogue devices.

### Sustainability

The HPE Aruba Networking 530 Series Campus Access Points support AI-powered Dynamic Power Save mode that , it enables APs to automatically wake up at a schedule when connectivity demand arises, reducing power demands and lowering the energy footprint.

The Intelligent Power Monitoring (IPM) provides the ability to enable or disable capabilities based on available PoE power.

The target wake time (TWT) establishes a schedule for when clients need to communicate with an AP to help improve client power savings and reduce airtime contention.

## Technical specifications

## HPE Aruba Networking AP-534 (RW) Dual Radio 4x4 802.11ax External Antennas Unified Campus AP

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|---|---|
| **Product Number** | JZ331A |
| **Differentiator** | Available everywhere except US, Israel, Japan and Egypt |
| **Certifications** | UL2043 plenum rating<br>Wi-Fi Alliance:<br>-Wi-Fi CERTIFIED a, b, g, n, ac<br>-Wi-Fi CERTIFIED 6 (ax)<br>-WPA, WPA2 and WPA3<br>-Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE)<br>-WMM, WMM-PS, W-Fi Agile Multiband<br>-Passpoint (release 2)<br>-Wi-Fi CERTIFIED Location™<br>Bluetooth SIG |
| **Input voltage** | IEEE 802.3bt (class 5) or 802.3at PoE, or direct DC power (via optional power supply) |
| **Wi-Fi antenna** | Four RP-SMA connectors for external dual-band antennas. |
| **Ports** | (2) HPE Smart Rate RJ-45 port (maximum negotiated speed 5 Gbps) |
| **Mounting** | Optional mounting kits:<br>AP-OUT-MNT-V1A: Outdoor Pole/Wall Long Mount Kit<br>AP-270-MNT-V2: Outdoor Pole/Wall Short Mount Kit<br>AP-270-MNT-H1: Outdoor AP Hanging or Tilt Install Mount Kit<br>AP-270-MNT-H2: Outdoor Flush Wall or Ceiling Mount<br>AP-270-MNT-H3: Outdoor AP Hanging or Dual-Tilt Install Mount Kit |
| **Power consumption** | POE powered (802.3bt or dual 802.3at): 30W POE powered (802.3at, IPM enabled): 25W DC powered: 29W<br>maximum (worst case) |
| **Radio coverage** | Dual-radio 4x4 MIMO IEEE 802.11ax AP with up-and downlink OFDMA and Multi-User MIMO (MU-MIMO). Maximum data rates of 2.4 Gbps in the 5 GHz band and 1,150 Mbps in the 2.4 GHz band (for an aggregate peak data rate of 3.55 Gbps). |
| **Warranty** | Limited lifetime warranty |
| **Product dimensions (metric)** | 57 x 240 x 240 mm (AP-534), 80mm x 270 x 270 mm (AP-535) |
| **Weight** | 1.0 kg |

[1] Bluetooth is a trademark owned by its proprietor and used by Hewlett Packard Enterprise under license. All third-party marks are property of their respective owners.

For additional technical information, available models and options, please reference the QuickSpecs

# HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: arubanetworks.com/services/

### Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

### Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

**Project based services include:**

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

**Annual subscription services include:**

- Network optimization
- Intelligent Operations
- Customer Experience Management

Our Education Services allow your team to come up to speed quickly.

### HPE GreenLake for Networking

Our NaaS solution, HPE Aruba Networking Managed Connectivity services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from HPE Aruba Networking here.

**Make the right purchase decision. Contact our presales specialists.**

Contact us

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