

HPE Aruba Networking 570 Series Outdoor Access Points

HPE Aruba Networking AP-577 (JP) Dual Radio 2x2/4x4 802.11ax Integ Directional Ant Outdoor AP (R4H21A)



What's new

- Outdoor Wi-Fi 6 access points provide up to 2.69 Gbps maximum aggregate data rate.
- Purpose-built to survive in the harshest outdoor environments and extreme temperatures (-40°C to +65°C).

Overview

The HPE Aruba Networking 570 Series Outdoor Access Points provide high-performance Wi-Fi 6 wireless connectivity for harsh outdoor weather conditions such as parking lots, stadiums, and public venues. With Wi-Fi 6 capabilities, Bluetooth 5 and 802.15.4/Zigbee radios, and maximum aggregate data rate of 2.69 Gbps, the 570 Series delivers the speed and reliability needed to bring Wi-Fi 6 outdoors.

- IoT-ready with a built-in Bluetooth 5 [1] and 802.15.4 radio that supports Zigbee.
- Client and RF optimization to match clients with the best available access point and reduce coverage gaps.
- Dynamic Segmentation and policy enforcement firewalls automatically enforces consistent policies across networks, keeping users and devices secure.

These Wi-Fi 6 outdoor access points are ready to survive high wind, extreme temperatures, and moisture and can be quickly deployed using Zero Touch Provisioning. HPE Aruba Networking Central provides a single pane of glass for overseeing wired and wireless LANs, WANs, and VPNs. AI-powered analytics, end-to-end orchestration and automation, and advanced security features are built natively into the solution. The 570 Series include a limited lifetime warranty.

Features

Reliable Outdoor Wi-Fi 6

HPE Aruba Networking 570 Series Outdoor Access Points support the Wi-Fi 6 standard, including features such as orthogonal frequency-division multiple access (OFDMA), bi-directional multi-user MIMO (MU-MIMO), and target wake time (TWT).

Purpose-built to withstand extreme temperatures, persistent moisture and precipitation, and fully sealed to keep out airborne contaminants.

Weatherproof and temperature hardened, this series can handle temperatures ranging from -40°C to +65°C, including full sun deployments.

Enhanced wireless experience with HPE Aruba Networking ClientMatch technology removes sticky client issues by steering a client to the Access Point where it receives the best radio signal.

IoT Ready

HPE Aruba Networking 570 Series Outdoor 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.

Supports Bluetooth 5 and Zigbee wireless protocols through an integrated IoT radio, and third-party expansion with an integrated USB port.

Target wake time (TWT) improves battery life of 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.

Simple Access With Enhanced Security

The HPE Aruba Networking 570 Series Outdoor 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.

It simplifies policy enforcement by using the Policy Enforcement Firewall (PEF) to encapsulate all traffic from the access point to the gateway (or mobility controller) for end-to-end encryption and inspection.

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

Technical specifications		HPE Aruba Networking AP-577 (JP) Dual Radio 2x2/4x4 802.11ax Integ Directional Ant Outdoor AP
Product Number		R4H21A
Differentiator		Available in Japan only
Wi-Fi antenna		Built-in 90°H x 90°V directional antennas: 5 GHz (6.3 dBi), 2.4 GHz (6.4 dBi)
Certifications		CB Scheme Safety, cTUVus UL2043 plenum rating Wi-Fi Alliance certified 802.11a/b/g/n/ Wi-Fi CERTIFIED™ 6 (802.11ax) Wi-Fi CERTIFIED™ ac (with Wave 2 features) Passpoint® (Release 2) with HPE Aruba Networking Operating System and Instant Wi-Fi CERTIFIED Location™
Regulatory		FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU IEC/EN/UL 62368-1 EN 60601-1-1, EN60601-1-2 Railway Certs: EN 50155:2017-Railway Applications EN 50121-1:2017-Railway EMC EN 50121-3-2-Railway EMC EN 50121-4:2016-Railway Immunity IEC 61373 ed2:2008-Railway Shock and Vibration
Warranty		Limited lifetime warranty. See the warranty duration.
Weight		2.1 kg
Product dimensions		13 x 23 x 22 cm (H x W x D) Not including mounting bracket
Connectivity, standard		Wi-Fi 6 (IEEE 802.11ax)
Mounting		Optional mounting kits available, see the ordering guide.
Power consumption		Maximum (worst-case) power consumption: PoE powered (dual ports): 32.0W PoE powered (single port, full function): 26.1W Maximum (worst-case) power consumption in idle mode: 14.0W (single PoE) or 16.0W (dual PoE) Maximum (worst-case) power consumption in deep-sleep mode: 2.9W (single PoE) or 3.9W (dual PoE)
Radio coverage		AP type: Outdoor Hardened, Wi-Fi 6 dual radio, 5 GHz 4x4 MIMO and 2.4 GHz 2x2 MIMO Software-configurable dual radio supports 5 GHz (Radio 0) and 2.4 GHz (Radio 1) 5 GHz

[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.

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: hpe.com/edge/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, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

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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