

# HPE Aruba Networking 570 Series Outdoor Access Points



## 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).
- Ready for Internet of Things (IoT) with a built-in Bluetooth 5 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 (PEFs) automatically enforce consistent policies across networks, keeping users and devices secure.

## 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 a maximum aggregate data rate of 2.69 Gbps, the 570 series delivers the speed and reliability needed to bring Wi-Fi 6 outdoors.

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 wait 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.

It 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 the battery life of IoT devices.

HPE Aruba Networking Central Client Insights uses deep packet inspection to provide additional context and behavioral information that helps 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 (PEFs).

It simplifies policy enforcement by using the 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, HPE Aruba Networking access points include an installed trusted platform module (TPM).

Technical specifications	HPE Aruba Networking 570 Series Outdoor Access Points
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<b>Deployment</b>	Outdoor
<b>Wi-Fi generation</b>	Wi-Fi 6 (802.11ax)
<b>Wi-Fi radios</b>	2x2 (2.4 GHz), 4x4 (5 GHz)
<b>Radio configuration options</b>	2.4 GHz, 5 GHz
<b>Max bandwidths and peak data rate per band</b>	20/40 (2.4 GHz), 20/40/80/160 (5 GHz), peak data rate 2.69 Gbps, maximum data rate 5.39 Gbps
<b>Wi-Fi antenna</b>	AP-574: Four Nf connectors for external antenna (5 GHz operation), and two Nf connectors for external antenna (2.4 GHz operation) AP-575: Built-in omni-directional antennas AP-577: Built-in 90°H x 90°V directional antennas
<b>Ultra tri-band (UTB) filtering</b>	No
<b>IoT support</b>	Bluetooth 5 or 802.15.4 (Zigbee)
<b>Integrated sensor</b>	No
<b>Location services</b>	802.11 FTM support
<b>Cellular support</b>	No
<b>Wired network interface</b>	1 x 2.5GbE, 1 x 1GbE
<b>MACsec support</b>	No
<b>AP operating system support</b>	HPE Aruba Networking Operating System 8 and HPE Aruba Networking Instant OS HPE Aruba Networking Operating System 10
<b>AP management</b>	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service
<b>Certifications</b>	CB scheme safety, cTUVus UL2043 plenum rating Wi-Fi Alliance certified 802.11a/b/g/n/ Wi-Fi Alliance certified Wi-Fi 6 (802.11ax) Wi-Fi CERTIFIED (tm) ac (with wave 2 features) Wi-Fi CERTIFIED Location (tm)

**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  
 For more country-specific regulatory information and approvals, see your HPE representative.

**Warranty** Limited lifetime warranty. See the [warranty duration](#).

**Weight**

AP-574 models: 2.4 kg  
 AP-575 models: 2.4 kg  
 AP-577 models: 2.1 kg

**Product dimensions (metric)**

AP-574 models: 19 x 23 x 24 cm (H x W x D)  
 AP-575 models: 27 x 23 x 24 cm (H x W x D)  
 AP-577 models: 13 x 23 x 22 cm (H x W x D)  
 Not including mounting bracket

**Ports**

EO: HPE Smart Rate port (RJ-45)  
 E1: 100/1000BASE-T (RJ-45)  
 USB-C console interface

## SKU overview

**R4H09A:** HPE Aruba Networking AP-574 (EG) 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H24A:** HPE Aruba Networking AP-574 (EG) TAA 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**S5D98A:** HPE Aruba Networking AP-574 (ID) Dual Radio 4x4/2x2 802.11ax Connectorized Outdoor Access Point

**R4H10A:** HPE Aruba Networking AP-574 (IL) 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H25A:** HPE Aruba Networking AP-574 (IL) TAA 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H11A:** HPE Aruba Networking AP-574 (JP) 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H26A:** HPE Aruba Networking AP-574 (JP) TAA 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H12A:** HPE Aruba Networking AP-574 (RW) 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H27A:** HPE Aruba Networking AP-574 (RW) TAA 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H13A:** HPE Aruba Networking AP-574 (US) 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H28A:** HPE Aruba Networking AP-574 (US) TAA 802.11ax 2x2/4x4 Dual Radio 6xNf Connectorized Outdoor AP

**R4H14A:** HPE Aruba Networking AP-575 (EG) 802.11ax 2x2/4x4 Dual Radio Integrated Omni Antennas Outdoor AP

**R4H29A:** HPE Aruba Networking AP-575 (EGF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Omni Outdoor Access Point

**S5D93A:** HPE Aruba Networking AP-575 (ID) Dual Radio 4x4/2x2 802.11ax Int Omni Ants Outdoor Access Point

**R4H15A:** HPE Aruba Networking AP-575 (IL) 802.11ax 2x2/4x4 Dual Radio Integrated Omni Antennas Outdoor AP

**R4H30A:** HPE Aruba Networking AP-575 (ILF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Omni Outdoor Access Point

**R4H16A:** HPE Aruba Networking AP-575 (JP) 802.11ax 2x2/4x4 Dual Radio Integrated Omni Antennas Outdoor AP

**R4H31A:** HPE Aruba Networking AP-575 (JP) TAA Dual Radio 2x2:2/4x4:4 802.11ax Integrated Omni Ant Outdoor AP

**R4H17A:** HPE Aruba Networking AP-575 (RW) 802.11ax 2x2/4x4 Dual Radio Integrated Omni Antennas Outdoor AP

**R4H32A:** HPE Aruba Networking AP-575 (RW) TAA Dual Radio 2x2:2/4x4:4 802.11ax Integrated Omni Ant Outdoor AP

**R4H18A:** HPE Aruba Networking AP-575 (US) 802.11ax 2x2/4x4 Dual Radio Integrated Omni Antennas Outdoor AP

**R4H33A:** HPE Aruba Networking AP-575 (US) TAA Dual Radio 2x2:2/4x4:4 802.11ax Integrated Omni Ant Outdoor AP

**R4H19A:** HPE Aruba Networking AP-577 (EG) Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

**R4H34A:** HPE Aruba Networking AP-577 (EGF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

**S5D94A:** HPE Aruba Networking AP-577 (ID) Dual Radio 4x4/2x2 802.11ax Integrated Directional Ants Outdoor AP

**R4H20A:** HPE Aruba Networking AP-577 (IL) Dual Radio 2x2/4x4 802.11ax Integ Directional Ant Outdoor AP

**R4H35A:** HPE Aruba Networking AP-577 (ILF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

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

**R4H36A:** HPE Aruba Networking AP-577 (JPF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

**R4H22A:** HPE Aruba Networking AP-577 (RW) Dual Radio 2x2/4x4 802.11ax Integ Directional Ant Outdoor AP

**R4H37A:** HPE Aruba Networking AP-577 (RWF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

**R4H23A:** HPE Aruba Networking AP-577 (US) Dual Radio 2x2/4x4 802.11ax Integ Directional Ant Outdoor AP

**R4H38A:** HPE Aruba Networking AP-577 (USF1) TAA Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional Outdoor AP

# 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](https://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.

## GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and [manage networks](#).

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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