

# HPE Aruba Networking 560 Series Outdoor Access Points



## What's new

- Entry-level outdoor Wi-Fi 6 (802.11ax) access points that provide up to 1.49 Gbps peak aggregate data rate and are ideal for outdoor and warehouse environments
- Purpose-built to survive in the harshest outdoor environments and extreme temperatures (-40°C to +55°C)
- Ready for Internet of Things (IoT) with a built-in Bluetooth 5 and 802.15.4 radio that supports Zigbee
- Small form factor for flexible deployment.
- Client and RF optimization to match clients with the best available access

## Overview

The HPE Aruba Networking 560 Series Outdoor Access Points provide cost-effective Wi-Fi 6 wireless connectivity in outdoor and environmentally challenging locations. With Wi-Fi 6 capabilities, Bluetooth 5 and 802.15.4/Zigbee radios, and maximum aggregate data rate of 1.49 Gbps, the 560 series delivers the speed and reliability needed to bring medium-density 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 (ZTP). HPE Aruba Networking Central provides a single pane of glass for overseeing wired and wireless LANs, WANs, and virtual private networks (VPNs). Alpowered analytics, endtoend orchestration and automation, and advanced security features are built natively into the solution. The 560 series outdoor APs include a limited lifetime warranty.

point and reduce coverage gaps

- Dynamic segmentation and policy enforcement firewalls (PEFs) that automatically enforce consistent policies across all networks, keeping users and devices secure

## Features

### Entry-level Outdoor Wi-Fi 6

HPE Aruba Networking 560 Series Outdoor Access Points are ideal for environmentally challenging locations and can endure extreme temperatures, persistent moisture, precipitation, airborne contaminants, dust, salt sprays, and maximum 165 mph wind speeds.

Weatherproof and temperature hardened, this series can handle temperatures ranging from -40°C to +55°C, including full solar loading.

With peak aggregate data rate of 1.49 Gbps (HE80/HE20), the series delivers the speed and reliability needed for most environments

It supports features such as orthogonal frequency-division multiple access (OFDMA), downlink MIMO (MU-MIMO), and target wait time (TWT).

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

### IoT Ready

HPE Aruba Networking 560 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.

The AP supports Bluetooth 5 and Zigbee wireless protocols through an integrated IoT radio.

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 560 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 (OWE), and user and IoT access policy enforcement firewalls.

The AP simplifies policy enforcement by using the policy enforcement firewall 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 access points include an installed trusted platform module (TPM).

Technical specifications	HPE Aruba Networking 560 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>	Dual 2x2
<b>Radio configuration options</b>	2.4 GHz and 5 GHz
<b>Max bandwidths and peak data rate per band</b>	20/40 (2.4GHz), 20/40/80 (5GHz), peak data rate 1.49 Gbps, maximum data rate 1.78 Gbps
<b>Wi-Fi antenna</b>	HPE Aruba Networking 560 Series Outdoor Access Points models: AP-565 models: Built-in omnidirectional antennas AP-567 models: Built-in 90°H x 90°V directional antennas
<b>Ultra tri-band (UTB) filtering</b>	No
<b>IoT support</b>	IEEE 802.15.4/Zigbee or Bluetooth 5
<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 1GbE
<b>MACsec support</b>	No
<b>AP operating system support</b>	HPE Aruba Networking Wireless Operating System 8 and HPE Aruba Networking Instant OS 8.7.1.0 HPE Aruba Networking Wireless Operating System 10.3.0.0
<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® ac (with wave 2 features) 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

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

**Warranty**

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

**Weight**

1.09 kg, max, depending on model

**Ports**

EO: 10/100/1000BASE-T (RJ-45)  
USB-C console interface

## SKU overview

**R4W40A:** HPE Aruba Networking AP-565 (EG) 802.11ax Dual 2x2 Radio Integrated Omni Antennas Outdoor AP  
**R4W50A:** HPE Aruba Networking AP-565 (EG) 802.11ax Dual 2x2 Radio Integrated Omni Antennas TAA Outdoor AP  
**S5D89A:** HPE Aruba Networking AP-565 (ID) Dual Radio 2x2 802.11ax Int Omni Ants Outdoor Access Point  
**R4W41A:** HPE Aruba Networking AP-565 (IL) 802.11ax Dual 2x2 Radio Integrated Omni Antennas Outdoor AP  
**R4W51A:** HPE Aruba Networking AP-565 (IL) 802.11ax Dual 2x2 Radio Integrated Omni Antennas TAA Outdoor AP  
**R4W42A:** HPE Aruba Networking AP-565 (JP) 802.11ax Dual 2x2 Radio Integrated Omni Antennas Outdoor AP  
**R4W52A:** HPE Aruba Networking AP-565 (JP) 802.11ax Dual 2x2 Radio Integrated Omni Antennas TAA Outdoor AP  
**R4W43A:** HPE Aruba Networking AP-565 (RW) 802.11ax Dual 2x2 Radio Integrated Omni Antennas Outdoor AP  
**R4W53A:** HPE Aruba Networking AP-565 (RW) 802.11ax Dual 2x2 Radio Integrated Omni Antennas TAA Outdoor AP  
**R4W44A:** HPE Aruba Networking AP-565 (US) 802.11ax Dual 2x2 Radio Integrated Omni Antennas Outdoor AP  
**R4W54A:** HPE Aruba Networking AP-565 (US) 802.11ax Dual 2x2 Radio Integrated Omni Antennas TAA Outdoor AP  
**R4W55A:** HPE Aruba Networking AP-567 (EG) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP  
**R4W45A:** HPE Aruba Networking AP-567 (EG) 802.11ax Dual 2x2 Radio Integrated Directional Antennas Outdoor AP  
**S5D90A:** HPE Aruba Networking AP-567 (ID) Dual Radio 2x2 802.11ax Integrated Directional Antennas Outdoor AP  
**R4W56A:** HPE Aruba Networking AP-567 (IL) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP  
**R4W46A:** HPE Aruba Networking AP-567 (IL) 802.11ax Dual 2x2 Radio Integrated Directional Antennas Outdoor AP  
**R4W57A:** HPE Aruba Networking AP-567 (JP) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP  
**R4W47A:** HPE Aruba Networking AP-567 (JP) 802.11ax Dual 2x2 Radio Integrated Directional Antennas Outdoor AP  
**R4W58A:** HPE Aruba Networking AP-567 (RW) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP  
**R4W48A:** HPE Aruba Networking AP-567 (RW) 802.11ax Dual 2x2 Radio Integrated Directional Antennas Outdoor AP  
**R4W59A:** HPE Aruba Networking AP-567 (US) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP  
**R4W49A:** HPE Aruba Networking AP-567 (US) 802.11ax Dual 2x2 Radio Integrated Directional Antennas Outdoor AP

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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)

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- Architecture review and design
- Deployment, migration, and knowledge transfer

### Annual subscription services include:

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- Intelligent Operations
- Customer Experience Management

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

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