

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 point and reduce coverage gaps

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.

- 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
Deployment	Outdoor
Wi-Fi generation	Wi-Fi 6 (802.11ax)
Wi-Fi radios	Dual 2x2
Radio configuration options	2.4 GHz and 5 GHz
Max bandwidths and peak data rate per band	20/40 (2.4GHz), 20/40/80 (5GHz), peak data rate 1.49 Gbps, maximum data rate 1.78 Gbps
Wi-Fi antenna	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
Ultra tri-band (UTB) filtering	No
IoT support	IEEE 802.15.4/Zigbee or Bluetooth 5
Integrated sensor	No
Location services	802.11 FTM support
Cellular support	No
Wired network interface	1 x 1GbE
MACsec support	No
AP operating system support	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
AP management	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service
Certifications	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

Related Options

The following options are available for these series:

SKU	Description
Enterprise Networking Products	
Q8N47A	HPE Aruba Networking Otdr AP Covers/Glands 1pk M25/5pk M20 Cover and Gland/2pk M16 Cover Ground Kit
Q8N48A	HPE Aruba Networking Outdoor AP Metric to Standard M20 to 1/2 inch NPT 5-pk Thread Adapter
Mounting Rack/Rail Options	
R6W11A	HPE Aruba Networking AP-270-MNT-H3 Outdoor AP Hanging Dual-Tilt Pole/Wall Mounting Bracket
R9H97A	HPE Aruba Networking AP-OUT-MNT-V1A Outdoor AP Long Arm Pole/Wall Mounting Bracket
Power Management Options	
R6P67A	HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector
JW113A	HPE Aruba Networking PC-AC-ARG 250V/10A 1.8m C13 to IRAM 2073 (AR) AC Power Cord
JW114A	HPE Aruba Networking PC-AC-AUS 250V/10A 1.8m C13 to AS3112 (AU) AC Power Cord
JW115A	HPE Aruba Networking PC-AC-BR 250V/10A 1.8m C13 to NBR 14136 (BR) AC Power Cord
JW116A	HPE Aruba Networking PC-AC-CHN 250V/10A 1.8m C13 to GB2099 (CH) AC Power Cord
JW117A	HPE Aruba Networking PC-AC-DEN 250V/10A 1.8m C13 to AFSNIT 107-2-D1 (DK) AC Power Cord
JW118A	HPE Aruba Networking PC-AC-EC 250V/10A 1.8m C13 to CEE7/7 (EU) AC Power Cord
JW120A	HPE Aruba Networking PC-AC-IL 250V/10A 1.8m C13 to SI32 (IL) AC Power Cord
JW119A	HPE Aruba Networking PC-AC-IN 250V/6A 1.8m C13 to IS1293 (IN) AC Power Cord
JW121A	HPE Aruba Networking PC-AC-IT 250V/10A 1.8m C13 to CEI 23-50 (IT) AC Power Cord
JW122A	HPE Aruba Networking PC-AC-JPN 125V/12A 1.8m C13 to JISC 8303 (JP) AC Power Cord
JW123A	HPE Aruba Networking PC-AC-KOR 250V/7A 1.8m C13 to KSC 8305 (KR) AC Power Cord
JW124A	HPE Aruba Networking PC-AC-NA 125V/10A 1.8m C13 to NEMA 5-15P (NA) AC Power Cord
JW125A	HPE Aruba Networking PC-AC-SWI 220V/10A 1.8m C13 to SEV 1011 (SW) AC Power Cord
JW126A	HPE Aruba Networking PC-AC-TW 125V/7A 1.8m C13 to CNS 10917 (TW) AC Power Cord
JW127A	HPE Aruba Networking PC-AC-UK 250V/10A 1.8m C13 to BS1363 (UK) AC Power Cord
JW128A	HPE Aruba Networking PC-AC-ZA 250V/10A 1.8m C13 to SANS 164-1 (ZA) AC Power Cord
R7T40A	HPE Aruba Networking PD-9501-5GCO-AC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector
R7T41A	HPE Aruba Networking PD-9501-5GCO-DC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector
Wireless Devices	
S1E83A	HPE Aruba Networking AP-503 (RW) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point

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.

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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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.

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