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 maximum 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 +65˚C).
- Internet of Things (IoT)-ready 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

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 APs 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. AIpowered 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.

with the best available access point and reduce coverage gaps.

- Dynamic Segmentation and policy enforcement firewalls (PEF) that automatically enforces 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 +65˚C, including full solar loading.

With maximum 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 access point 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, 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) for protected storage of credentials and keys, and boot code.

Technical specifications	HPE Aruba Networking 560 Series Outdoor Access Points
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
Wi-Fi antenna	AP-565 models: Built-in omni-directional antennas. AP-567 models: Built-in 90°H x 90°V directional antennas. 5 GHz: Two spatial stream Single User (SU) MIMO for up to 1.2 Gbps wireless data rate with individual 2SS HE80 802.11ax client devices, or with two 1SS HE80 802.11ax MU-MIMO capable client devices simultaneously 2.4 GHz: Two spatial stream Single User (SU) MIMO for up to 574 Mbps (287 Mbps) wireless data rate with individual 2SS HE40 (HE20) 802.11ax client devices or with two 1SS HE40 (HE20) 802.11ax MU-MIMO capable client devices simultaneously
Connectivity, standard	Wi-Fi 6 (IEEE 802.11ax) Bluetooth 5 and 802.15.4 radio 2.4 GHz–Bluetooth 5: up to 8 dBm transmit power and -95 dBm receive sensitivity Zigbee: up to 8 dBm transmit power and -97 dBm receive sensitivity Up to 4 dBm transmit power (class 2) and -91 dBm receive sensitivity
Ports	E0: 10/100/1000BASE-T (RJ-45)
Mounting	For use with optional mounting kit, see the ordering guide.
Power consumption	Maximum (worst-case) power consumption: 15.6W Maximum (worst case) power consumption in idle mode: 4.2W Maximum (worst case) power consumption in deep-sleep mode: 1.7 Power sources sold separately
Radio coverage	AP type: Outdoor Hardened, Wi-Fi 6 dual radio, 5 GHz 2x2 MIMO and 2.4 GHz 2x2 MIMO Software-configurable dual radio supports 5 GHz (Radio 0) and 2.4 GHz (Radio 1)
Warranty	Limited lifetime warranty. See the warranty duration.
Product dimensions	11 x 16.5 x 16.5 cm
Weight	1.09 kg, max, depending on model

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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: 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.

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