Have feedback on QuickSpecs? We're listening

HPE Aruba Networking 560 Series Outdoor Access Points QuickSpecs

Entry-level Wi-Fi 6 (802.11ax) for outdoor and warehouse environments

Weatherproof and temperature hardened, HPE Aruba Networking 560 Series Outdoor Access Point deliver cost-effective Wi-Fi 6 wireless connectivity in outdoor and environmentally challenging locations.

Purpose-built to survive in the harshest outdoor environments, HPE Aruba Networking 560 Series Outdoor Access Points can withstand exposure to extreme high and low temperatures, persistent moisture and precipitation, and are fully sealed to keep out airborne contaminants. All electrical interfaces include industrial strength surge protection.

Overview

HPE Aruba Networking Wi-Fi 6 access points provide high-performance connectivity for any organization experiencing growing numbers of IoT and mobility requirements. With maximum aggregate on air data rate of 1.49 Gbps (HE80/HE20), they deliver the speed and reliability needed for most environments.

HPE Aruba Networking advanced ClientMatch technology and an integrated Bluetooth beacon can help enable HPE Aruba Networking location services.



HPE Aruba Networking 560 Series Outdoor Access Points

Standard Features

Incredible Efficiency

The HPE Aruba Networking 560 Series Outdoor Access Points (APs) are designed to optimize user experience by maximizing Wi-Fi efficiency and dramatically reducing airtime contention between clients.

Features include Orthogonal Frequency-Division Multiple Access (OFDMA), Multi-User MIMO and cellular optimization. With up to 2 spatial streams, the 560 series provides reliable connectivity for most any application.

Advantages of OFDMA

OFDMA capability allows access points to handle multiple Wi-Fi 6 capable clients on each channel simultaneously, regardless of device or traffic type. Channel utilization is optimized by handling each transaction via smaller sub-carriers or resource units (RUs), which means that clients are sharing a channel yet not competing for airtime and bandwidth.

HPE Aruba Networking Air SliceTM for Extended OFDMA Assurance

Initially, APs in controller-less mode (Instant) can provide SLA-grade performance by allocating radio resources, such as time, frequency, and spatial streams, to specific traffic types. By combining Policy Enforcement Firewall (PEF) and Layer 7 deep packet inspection (DPI) to identify user roles and applications, the APs will dynamically allocate the bandwidth needed. Non-Wi-Fi 6 clients can also benefit. For APs, Air Slice uses HPE Aruba Networking Central for management. Controller-based APs will be supported in a future software release.

Multi-User MIMO (MU-MIMO)

The 560 series access points support downlink MU-MIMO just like Wi-Fi 5 (802.11ac Wave 2) access points. The added benefit is the ability to multiply the number of clients that can now send traffic, thus optimizing client-to-access point spatial stream diversity. Wi-Fi 6 and MU-MIMO aware client optimization.

HPE Aruba Networking's patented AI-powered ClientMatch technology eliminates sticky client issues by placing Wi-Fi 6 capable devices on the best available access point. Session metrics are used to steer mobile devices to the best access point based on available bandwidth, types of applications being used and traffic type — even as users roam.

HPE Aruba Networking Advanced Cellular Coexistence (ACC)

The ACC feature uses built-in filtering to automatically minimize the impact of interference from cellular networks, distributed antenna systems (DAS), and commercial small cell or femtocell equipment.

Intelligent Power Monitoring (IPM)

HPE Aruba Networking access points continuously monitor and report hardware energy consumption. They can also be configured to enable or disable capabilities based on available PoE power – ideal when wired switches have exhausted their power budget.

Standard Features

IoT Platform Capabilities

Like all HPE Aruba Networking Wi-Fi 6 access points, the 560 Series includes an integrated Bluetooth 5 and 802.15.4 radio (for Zigbee support) to simplify deploying and managing IoT-based location services, asset tracking services, security solutions and IoT sensors. This allows organizations to leverage the 560 series as an IoT platform, which eliminates the need for an overlay infrastructure and additional IT resources.

Target Wake Time (TWT)

Ideal for IoT devices that communicate infrequently, TWT establishes a schedule for when clients need to communicate with an access point. This helps improve client power savings and reduces airtime contention with other clients.

Secure infrastructure

The HPE Aruba Networking 560 series includes components of Zero Trust Security to help protect user authentication and wireless traffic. Select capabilities include:

WPA3 and Enhanced Open

Support for stronger encryption and authentication is provided via the latest version of WPA for enterprise protected networks.
Enhanced Open offers seamless new protection for users connecting to open networks where each session is automatically encrypted to protect user passwords and data on guest networks.

WPA2-MPSK

MPSK enables simpler passkey management for WPA2 devices — should the Wi-Fi password on one device or device type change, no additional changes are needed for other devices. Requires HPE Aruba Networking NAC.

VPN tunnels

In remote access point (RAP) and IAP-VPN deployments, the 560 series can be used to establish a secure SSL/IPSec VPN tunnel to a Mobility Controller that is acting as a VPN concentrator.

Trusted Platform Module (TPM)

For enhanced device assurance, all HPE Aruba Networking access points have an installed TPM for secure storage of credentials and keys, and boot code.

Simple and Secure Access

To simplify policy enforcement, the 560 series uses Policy Enforcement Firewall (PEF) feature to encapsulate all traffic from the access point to the Mobility Controller (or Gateway) for end-to-end encryption and inspection. Policies are applied based on user role, device type, applications, and location. This reduces the manual configuration of SSIDs, VLANs and ACLs. PEF also serves as the underlying technology for dynamic segmentation.

Standard Features

Additional Wi-Fi Features

Each AP also includes the following standards-based technologies:

- Transmit Beamforming (TxBF)
  - Increased signal reliability and range
- Passpoint Release 2
  - Seamless cellular-to-Wi-Fi carryover for guests
- Dynamic Frequency Selection (DFS)
  - Optimized use of available RF spectrum
- Maximal Ratio Combining (MRC)
  - Improved receiver performance for multi- antenna access points.
- Cyclic Delay/Shift Diversity (CDD/CSD)
  - Enable use of multiple transmit antennas
- Space-Time Block Coding (STBC)
  - Increased connection robustness
- Low-Density Parity Check (LDPC)
  - High performance error detection and correction coding for enhanced receiver performance.

Additional Wi-Fi features

Each access point also includes the following standards-based technologies:

Transmit Beamforming (TxBF)	Increased signal reliability and range
Dynamic Frequency Selection (DFS)	Optimized use of available RF spectrum
Maximum Ratio Combining (MRC)	Improved receiver performance for multi-antenna access points
Cyclic Delay/Shift Diversity (CDD/CSD)	Enable use of multiple transmit antennas
Space-Time Block Coding (STBC)	Increased connection robustness
Low-Density Parity Check (LDPC)	High performance error detection and correction coding for enhanced receiver performance

High-Density Connectivity

Each 560 series access point provides connectivity for a maximum of 256 associated clients per radio (512 in total). In real-world scenarios, the maximum recommended client density is dependent on environmental conditions.

Standard Features

Flexible Operation and Management

Our unified access points can operate as standalone access points or with a gateway for greater scalability, security, and manageability. APs can be deployed using Zero Touch Provisioning — without on-site technical expertise — for ease of implementation in branch offices and for remote work.

HPE Aruba Networking access points can be managed using cloud-based or on-premises solutions for any campus, branch, or remote work environment.

HPE Aruba Networking Central provides a single pane of glass for overseeing every aspect of 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.

Configuration Information

BTO Models

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

Configuration Information

HPE Aruba Networking AP-567 (RW) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP	R4W58A
HPE Aruba Networking AP-567 (US) 802.11ax Dual 2x2 Radio Integ Directional Antennas TAA Outdoor AP	R4W59A

Mounting Accessories

Outdoor AP Mount Kits

HPE Aruba Networking AP-OUT-MNT-V1A Outdoor AP Long Arm Pole/Wall Mounting Bracket	R9H97A
HPE Aruba Networking AP-270-MNT-V2 Outdoor AP Short Arm Pole/Wall Mounting Bracket	JW053A
HPE Aruba Networking AP-270-MNT-H1 Outdoor AP Hanging One-Way Tilt Pole/Wall Mounting Bracket	JW054A
HPE Aruba Networking AP-270-MNT-H2 Outdoor AP Flush Wall Mounting Bracket	JW055A
HPE Aruba Networking AP-270-MNT-H3 Outdoor AP Hanging Dual-Tilt Pole/Wall Mounting Bracket	R6W11A

Notes:

- Add mounting bracket
- For 565:
  - V2 bracket most often used for wall or pole mount.
  - H1 bracket most often used for hanging from inclined or horizontal structure.
  - The AP-56x chassis does not ship with bracket
- For 567:
  - H1 bracket most often with (I)AP-367 for mounting to a wall. Allows chassis tilt.
  - V1A and V2 brackets can be used but will result in the AP-367 pointing down.
  - The AP-56x chassis does not ship with bracket.

Power Options

Description	SKU
PoE Power Options	
HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector	R6P67A
If this Power Injector is selected, bring in (Min 1 // Max 1) Localized power cord based on the HPE Aruba Networking Localization Menu	
HPE Aruba Networking PD-9501-5GCO-AC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector	R7T40A
HPE Aruba Networking PD-9501-5GCO-DC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector	R7T41A

- Add POE accessories for units to be POE powered
- Indoor Injector provides no surge protection
- Indoor injector requires indoor AC power cord
- AP-56x is powered by PoE only
- Power Cord for JW630A, R7T40A, R7T41A should be provided by installer
- R7T40A and R7T41A do not include a power cord, power cord must be constructed by installer using the included power connector parts and assembled per the user guide by a certified installer

Configuration Information

Power Injector Mounts

HPE Aruba Networking PD-MOUNT-OD Outdoor PoE Midspan Injectors Pole/Mast Mount Kit JW620A

Notes:

- Add mounting kit for outdoor poe midspan injector (optional)
- This is optional but recommended for outdoor injectors

Accessories

Spare Items

Std (Min 0 // max 99) User Selection (min 0 // max 99)

HPE Aruba Networking Otdr AP Covers/Glands 1pk M25/5pk M20 Cover and Gland/2pk M16 Cover Ground Kit Q8N47A

HPE Aruba Networking Outdoor AP Metric to Standard M20 to 1/2 inch NPT 5-pk Thread Adapter Q8N48A

Notes: These items are replacement items or special application

Software

Central

Cloud Services / Access Point Foundation Subscriptions

HPE Aruba Networking Central AP Foundation 1-year Subscription E-STU Q9Y58AAE

HPE Aruba Networking Central AP Foundation 3 year Subscription E-STU Q9Y59AAE

HPE Aruba Networking Central AP Foundation 5 year Subscription E-STU Q9Y60AAE

HPE Aruba Networking Central AP Foundation 7 year Subscription E-STU Q9Y61AAE

HPE Aruba Networking Central AP Foundation 10 year Subscription E-STU Q9Y62AAE

Cloud Services / Access Point Advanced Subscriptions

HPE Aruba Networking Central AP Advanced 1 year Subscription E-STU Q9Y63AAE

HPE Aruba Networking Central AP Advanced 3 year Subscription E-STU Q9Y64AAE

HPE Aruba Networking Central AP Advanced 5 year Subscription E-STU Q9Y65AAE

HPE Aruba Networking Central AP Advanced 7 year Subscription E-STU Q9Y66AAE

HPE Aruba Networking Central AP Advanced 10 year Subscription E-STU Q9Y67AAE

On-Prem Services / Access Point Foundation Subscriptions

HPE Aruba Networking Central on Prem AP Foundation 1 year Subscription E-STU R6U63AAE

HPE Aruba Networking Central on Prem AP Foundation 3 year Subscription E-STU R6U64AAE

HPE Aruba Networking Central on Prem AP Foundation 5 year Subscription E-STU R6U65AAE

HPE Aruba Networking Central on Prem AP Foundation 7 year Subscription E-STU R6U66AAE

HPE Aruba Networking Central on Prem AP Foundation 10 year Subscription E-STU R6U67AAE

On-Prem Services / Access Point Advanced Subscriptions

HPE Aruba Networking Central On-Premises AP Advanced 1-year Subscription E-STU R6U68AAE

HPE Aruba Networking Central On-Premises AP Advanced 3-year Subscription E-STU R6U69AAE

HPE Aruba Networking Central On-Premises AP Advanced 5-year Subscription E-STU R6U70AAE

HPE Aruba Networking Central On-Premises AP Advanced 7-year Subscription E-STU R6U71AAE

HPE Aruba Networking Central On-Premises AP Advanced 10 year Subscription E-STU R6U72AAE

Configuration Information

On-Prem Services / Access Point Foundation Government Subscriptions

HPE Aruba Networking COP AP Foundation Government 1-year Subscription E-STU	S1P56AAE
HPE Aruba Networking COP AP Foundation Government 3-year Subscription E-STU	S1P57AAE
HPE Aruba Networking COP AP Foundation Government 5-year Subscription E-STU	S1P58AAE
HPE Aruba Networking COP AP Foundation 7-year Government Subscription E-STU	S1P59AAE
HPE Aruba Networking COP AP Foundation 10-year Government Subscription E-STU	S1P60AAE

On-Prem Services / Access Point Advanced Government Subscriptions

HPE Aruba Networking Central On-Premises Access Point Advanced 3-year Government Subscription E-STU	S1P97AAE
HPE Aruba Networking Central On-Premises Access Point Advanced 5-year Government Subscription E-STU	S1P98AAE

As-a-Service

Cloud Services / Access Point Foundation Subscriptions

HPE Aruba Networking Central AP Foundation 1 year Subscription SaaS	Q9Y58AAS
HPE Aruba Networking Central AP Foundation 3 year Subscription SaaS	Q9Y59AAS
HPE Aruba Networking Central AP Foundation 5 year Subscription SaaS	Q9Y60AAS
HPE Aruba Networking Central AP Foundation 7 year Subscription SaaS	Q9Y61AAS
HPE Aruba Networking Central AP Foundation 10 year Subscription SaaS	Q9Y62AAS

Cloud Services / Access Point Advanced Subscriptions

HPE Aruba Networking Central AP Advanced 1 year Subscription SaaS	Q9Y63AAS
HPE Aruba Networking Central AP Advanced 3 year Subscription SaaS	Q9Y64AAS
HPE Aruba Networking Central AP Advanced 5 year Subscription SaaS	Q9Y65AAS
HPE Aruba Networking Central AP Advanced 7 year Subscription SaaS	Q9Y66AAS
HPE Aruba Networking Central AP Advanced 10 year Subscription SaaS	Q9Y67AAS

Technical Specifications

Specification

AP-565

- Built-in omni-directional antennas
- 5 GHz antennas 5.4 dBi
- 2.4 GHz antennas 3.2 dBi
- BLE/802.15.4 antennas 3.3d dBi

AP-567

- Built-in 90°H x 90°V directional antennas
- 5 GHz antennas 6.7 dBi
- 2.4 GHz antennas 7.0 dBi
- BLE/802.15.4 antennas 3.2d dBi

Wi-Fi Specifications

- 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)
- 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
- Up to 256 associated client devices per radio
- Up to 16 BSSIDs per radio
- Supported frequency bands (country-specific restrictions apply):
  - 2.400 to 2.4835 GHz (ISM)
  - 5.150 to 5.250 GHz (U-NII-1)
  - 5.250 to 5.350 GHz (U-NII-2A)
  - 5.470 to 5.725 GHz (U-NII-2C)
  - 5.725 to 5.850 GHz (U-NII-3/ISM)
  - 5.850 to 5.875 GHz (U-NII-4)
- Available channels: Dependent on configured regulatory domain
- Dynamic frequency selection (DFS) optimizes the use of available RF spectrum
- Supported radio technologies:
  - 802.11b: Direct-sequence spread-spectrum (DSSS)
  - 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM)
  - 802.11ax: Orthogonal frequency-division multiple access (OFDMA) with up to 16 resource units (RU)
- Supported modulation types:
  - 802.11b: BPSK, QPSK, CCK
  - 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM (proprietary extension)
  - 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM (proprietary extension)
  - 802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM
- 802.11n high-throughput (HT) support: HT20/40

Technical Specifications

- 802.11ac very high throughput (VHT) support: VHT20/40/80
- 802.11ax high efficiency (HE) support: HE20/40/80
- Supported data rates (Mbps): 802.11b: 1, 2, 5.5, 11
  - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54
  - 802.11n: 6.5 to 300 (MCS0 to MCS15, HT20 to HT40), 400 with 256-QAM
  - 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS = 1 to 2, VHT20 to VHT80), 1,083 with 1024-QAM
  - 802.11ax (2.4 GHz): 3.6 to 574 (MCS0 to MCS11, NSS = 1 to 2, HE20 to HE40)
- 802.11n/ac/ax packet aggregation: A-MPDU, A-MSDU
- Transmit power: Configurable in increments of 0.5 dBm
- Maximum (conducted) transmit power (limited by local regulatory requirements):
  - 2.4 GHz band: +23 dBm per chain, +26 dBm aggregate (2x2)
  - 5 GHz band: +23 dBm per chain, +26 dBm aggregate (2x2)

  Notes: Conducted transmit power levels exclude antenna gain.
- Maximum EIRP (limited by local regulatory requirements):
  - 2.4 GHz band:
    - 565: 29.2 dBm EIRP
    - 567: 33 dBm EIRP
  - 5 GHz band:
    - 565: 31.4 dBm EIRP
    - 567: 32.7 dBm EIRP
- Advanced Cellular Coexistence (ACC) minimizes the impact of interference from cellular networks
- Maximum ratio combining (MRC) for improved receiver performance
- Cyclic delay/shift diversity (CDD/CSD) to enable the use of multiple transmit antennas
- Short guard interval for 20-MHz, 40-MHz, and 80-MHz
- Space-time block coding (STBC) for increased range and improved reception
- Low-density parity check (LDPC) for high-efficiency error correction and increased throughput
- Transmit beam-forming (TxBF) for increased signal reliability and range
- 802.11mc Fine Timing Measurement (FTM) for precision distance ranging

Power

- 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
- Power over Ethernet (PoE+): 802.3at-compliant
- When powered by 1x 802.3at, there are no restrictions
- When powered by 1x 802.3af with IPM enabled, the access point will start up in unrestricted mode, but may dynamically apply restrictions depending on the PoE budget and actual power. The feature restrictions can be programmed
- When powered by 1x 802.3af with IPM disabled, the access point will lower the 2.4 GHz radio to 1x1:1

Technical Specifications

Additional Interfaces

- E0: 10/100/1000BASE-T (RJ-45)
  - Auto-sensing link speed and MDI/MDIX
  - PoE-PD: 48Vdc (nominal) 802.3at/bt (Class 3 or higher)
  - 802.3az Energy Efficient Ethernet (EEE)

- 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

Mounting

- Optional mounting kits:
  - AP-OUT-MNT-V1A: Outdoor Pole/Wall Long Mount Kit
  - AP-270-MNT-V2: Outdoor Pole/Wall Short Mount Kit
  - AP-270-MNT-H1: Outdoor AP Hanging or Tilt Install Mount Kit
  - AP-270-MNT-H2: Outdoor Flush Wall or Ceiling Mount
  - AP-270-MNT-H3: Outdoor AP Hanging or Dual-Tilt Install Mount Kit

Mechanical

- AP-565
  - Dimensions/weight (excluding mount):
    - 16.5 cm (W) x 16.5 cm (D) x 13 cm (H)
    - 6.5" (W) x 6.5" (D) x 5.1" (H)
    - 1.03 kg/2.27 lbs
- AP-567
  - Dimensions/weight (excluding mount):
    - 16.5 cm (W) x 16.5 cm (D) x 13 cm (H)
    - 6.5" (W) x 6.5" (D) x 5.1" (H)
    - 1.09 kg/2.4 lbs

Environmental

- Operating:
  - Temperature: -40° C to +55° C (-40° F to +131° F) with full solar loading
  - Humidity: 5% to 95% non-condensing internal
  - Rated for operation in all weather conditions
- Storage and transportation:
  - Temperature: -40° C to +70° C (-40° F to +158° F)
- Operating Altitude: 3,000m
- Water and Dust
  - IP66/67
- Salt Tolerance
  - Tested to ASTM B117-07A Salt Spray 200 hrs

- Wind Survival: Up to 165 Mph
- Shock and Vibration ETSI 300-19-2-4

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, please see your HPE Aruba Networking representative.

Regulatory Model Number

- AP-565: APEX0565
- AP-567: APEX0567

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)
- Passpoint® (Release 2) with HPE Aruba Networking OS and Instant 8.3+

Warranty

- Limited lifetime warranty

Minimum Software Versions

- HPE AOS and HPE Networking InstantOS 8.8.0.0

Technical Specifications

RF Performance Table

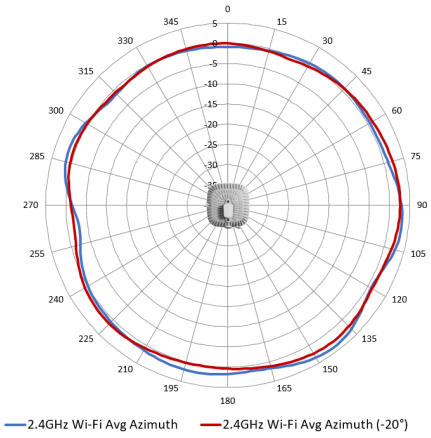
Band, rate	Maximum transmit power (dBm) per transmit chain	Receiver sensitivity (dBm) per receive chain
2.4 GHz, 802.11b		
1 Mbps	22	-97
11 Mbps	22	-89
2.4 GHz, 802.11g		
6 Mbps	22	-93
54 Mbps	20	-76
2.4 GHz, 802.11n/ac HT20		
MCS0	22	-93
MCS8	19	-75
2.4GHz, 802.11ax HE20		
MCS0	22	-93
MCS11	17	-62
5GHz, 802.11a		
6 Mbps	22	-92
54 Mbps	20	-75
5GHz, 802.11n/ac HT20/VHT20		
MCS0	22	-92
MCS8	19	-72
5GHz, 802.11n/ac HT40/VHT40		
MCS0	22	-90
MCS9	19	-65
5GHz, 802.11ac VHT80		
MCS0	22	-88
MCS9	19	-63
5GHz, 802.11ax HE20		
MCS0	22	-94
MCS11	17	-62
5GHz, 802.11ax HE40		
MCS0	22	-91
MCS11	17	-60
5GHz, 802.11ax HE80		
MCS0	22	-87
MCS11	17	-57

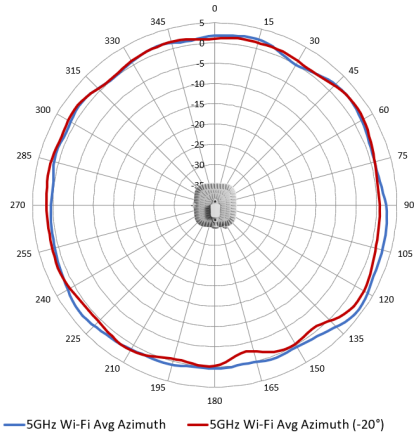
Notes: Maximum capability of the hardware provided (excluding antenna gain). Maximum transmit power is limited by local regulatory settings.

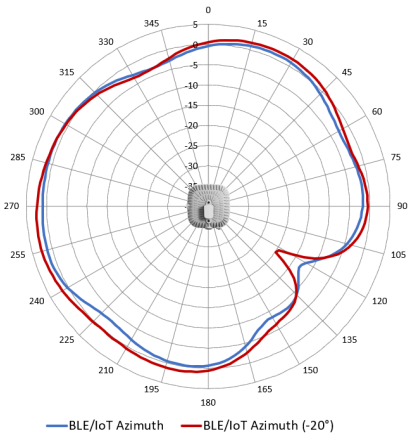
Antenna Patterns AP-565

Horizontal Planes (Azimuth, top view)

Showing top-view azimuth (0º) and 20º downtilt patterns (averaged patterns for all applicable antennas and frequencies within the bands)



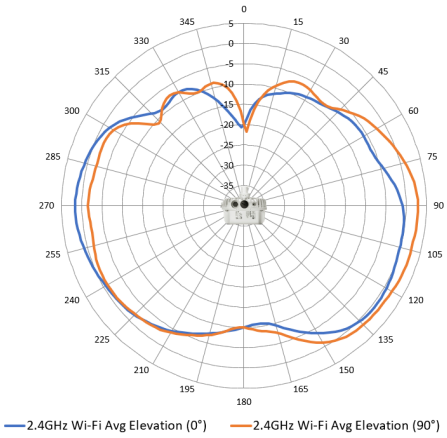


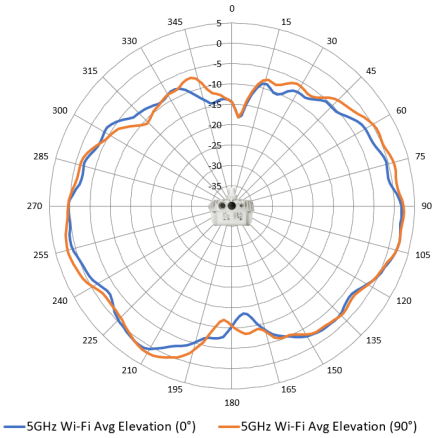


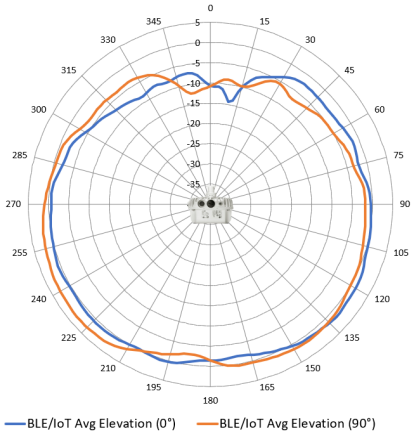
Vertical Planes (Elevation, side view radome facing down)

Showing side-view with access point rotated 0º and 90º (averaged patterns for all applicable antennas and frequencies within the bands)

Technical Specifications



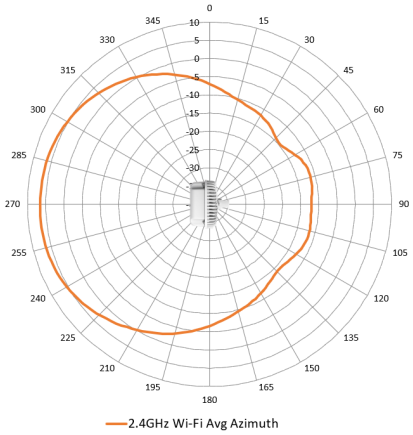


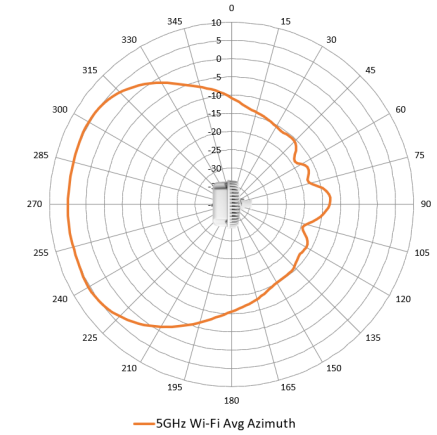


Antenna Patterns AP-567

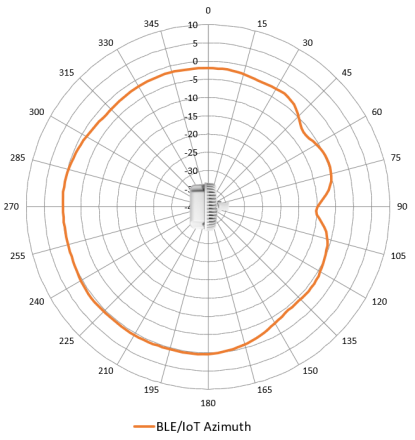
Horizontal Planes (Azimuth, top view, radome facing left)

Showing top-view patterns (averaged patterns for all applicable antennas and frequencies within the bands)



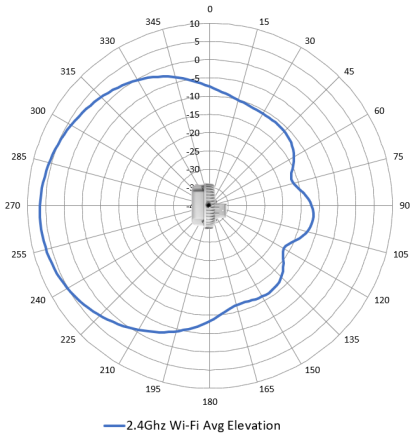


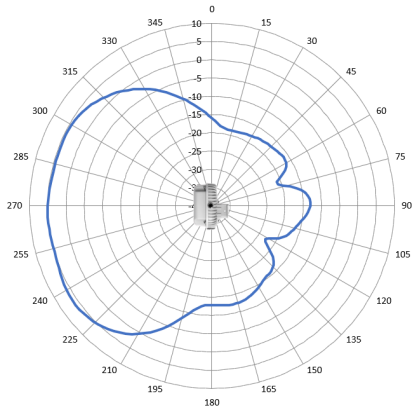
Technical Specifications

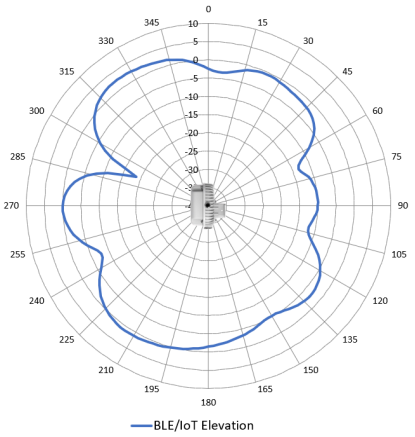


Vertical Planes (Elevation, side view, radome facing left)

Showing side-view patterns (averaged patterns for all applicable antennas and frequencies within the bands)







Summary of Changes

Date	Version History	Action	Description of Change
17-Aug-2026	Version 14	Changed	New Central SKUs added in Configuration Information: S1P97AAE, S1P98AAE.
27-Feb-2026	Version 13	Changed	Rebranding update applied to QuickSpecs
28-Jul-2025	Version 12	Changed	Update survey link.
07-Apr-2025	Version 11	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
21-Jan-2025	Version 10	Changed	Technical Specifications section was updated.
16-Dec-2024	Version 9	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
04-Dec-2023	Version 8	Changed	Series name was updated.
16-Oct-2023	Version 7	Changed	Configuration Information section was updated
07-Aug-2023	Version 6	Changed	Configuration Information section was updated.
21-Nov-2022	Version 5	Changed	Configuration Information section was updated.
06-Dec-2021	Version 4	Changed	SKUs were added in Configuration Information section.
15-Mar-2021	Version 3	Changed	SKUs were added in Configuration Information section.
02-Nov-2020	Version 2	Changed	Configuration Information section was updated. New SKUs were added. Obsolete SKUs were removed.
08-Sep-2020	Version 1	New	New QuickSpecs

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