RETIRED: This document has been officially retired, and the base products listed herein are now considered obsolete and are no longer available for sale. Consequently, the information contained within may no longer be current. This document is provided exclusively for reference and informational purposes.

Overview

HPE Aruba Networking 303H Series Unified Hospitality Access Points

High-performance 802.11ac wave 2 access point for hospitality and branch offices

The multi-functional Wave 2 303H access point delivers best-in class Wi-Fi connectivity for hospitality and branch offices, enabling an always-on user experience with low Total Cost of Ownership (TCO).

With a maximum concurrent data rate of 867Mbps in the 5GHz band and 300Mbps in the 2.4GHz band, the HPE Aruba Networking 303H Unified Hospitality Access Point delivers high-performance Gigabit Wi-Fi for hospitality and branch environments at an attractive price point. It supports multi-user MIMO (MU-MIMO) and 2 spatial streams (2SS) to provide simultaneous data transmission for up to 2 devices, maximizing data throughput and improving network efficiency.

The 303H AP can be easily mounted to a standard data wall-box using the existing structured cabling system or converted to a desk mounted AP using an optional mounting kit. It is ideal for schools (dormitories, classrooms), hotels, medical clinics, branch offices and remote workstations which often require flexible and easy deployment options.

The IEEE 802.11ac Wave 2 303H AP combines wireless and wired access in a single compact device. Three local Gigabit Ethernet ports are available to securely attach wired devices to your network. One of these ports is also capable of supplying PoE power to the attached device.

Like all other HPE Aruba Networking Wave 2 APs, the 303H AP includes the enhanced ClientMatch™ technology that extends the client steering technology with MU-MIMO client awareness. It automatically identifies MU-MIMO capable mobile devices and steers those devices to the closest MU-MIMO capable HPE Aruba Networking access point to achieve the best WLAN performance in a mixed device environment during the technology transition period.



HPE Aruba Networking 303H Series Unified Hospitality Access Points

Standard Features

Unique Benefits

- **Two devices in one**
  - The 303H ships with everything you need to deploy as a wall-mounted (hospitality) AP, attaching directly to a standard single-gang data wall-box. The 303H can also be easily converted to a desk mounted (remote) AP, using an optional accessory stand.
  - On the 303HR units, this stand is already pre-assembled and attached to the AP (and these bundles contain a power adapter and cord as well).
- **Unified AP - deploy with or without controller**
  - The 303H can be deployed in either controller-based (HPE ArubaOS) or controller-less (InstantOS) deployment mode.
- **Dual Radio 802.11ac access point with Multi-User MIMO (Wave 2)**
  - Supports up to 867Mbps in the 5GHz band (with 2SS/VHT80 clients) and up to 300Mbps in the 2.4 GHz band (with 2SS/HT40 clients).
- **Built-in Bluetooth Low-Energy (BLE) radio**
  - Enables location-based services with BLE-enabled mobile devices receiving signals from multiple Aruba Beacons at the same time.
  - Enables management of your deployment of battery-powered Aruba Beacons.
- **Advanced Cellular Coexistence (ACC)**
  - Minimizes the impact from out-of-band interference from sources such as 3G/4G cellular networks.
- **Intelligent Power Monitoring (IPM):**
  - Enables the AP to continuously monitor and report its actual power consumption and optionally make autonomous decisions to prioritize capabilities when power budget is limited.
  - For the 303H, the IPM power-save feature applies when the unit is powered by an 802.3af or 802.3at POE source. By default, the USB interface will be the first feature to be turned off by IPM if the AP power consumption would otherwise exceed the available power budget. Specific power-saving options are programmable with IPM.
- **RF Management**
  - Adaptive Radio Management (ARM) technology automatically assigns channel and power settings, provides airtime fairness, and ensures that APs stay clear of all sources of RF interference to deliver reliable, high-performance WLANs.
  - The 303H can be configured to provide part-time or dedicated air monitoring for spectrum analysis and wireless intrusion protection, VPN tunnels to extend remote locations to corporate resources, and wireless mesh connections where Ethernet drops are not available.
- **HPE Aruba Networking Secure Infrastructure**
  - Integrated wireless intrusion protection offers threat protection and mitigation and eliminates the need for separate RF sensors and security appliances.
  - IP reputation and security services identify, classify, and block malicious files, URLs, and IPs, providing comprehensive protection against advanced online threats.
  - Integrated Trusted Platform Module (TPM) for secure storage of credentials, certificates, and keys.
- **Intelligent app visibility and control**
  - AppRF technology leverages deep packet inspection to classify and block, prioritize, or limit bandwidth for thousands of applications in a range of categories.
- **Quality of service for unified communication apps**
  - Supports priority handling and policy enforcement for unified communication apps, including Microsoft Skype for Business with encrypted videoconferencing, voice, chat and desktop sharing.
- **Simple and easy deployment**
  - The AP-303H comes with a Remote AP Bundle SKU that contains an access point, desk stand, power adapter and AC power cord. The bundled items are orderable as a single SKU and shipped in one shipping box, allowing remote workers to quickly set up the AP without requiring AP/mount assembly.

Standard Features

Encrypted Throughput

- Maximum IPsec encrypted wired throughput: 100Mbps

303H Access Point Specifications

- Unified dual-radio 802.11ac Wave 2 2x2:2 hospitality and branch AP with internal antennas, three local Gigabit Ethernet ports, PoE out and USB host interface
- Supports wall-box and desk mount deployments

IoT Platform Capabilities

Like all HPE Aruba Networking Wi-Fi 6 APs, the HPE Aruba Networking 303H Series provides integrated Bluetooth capabilities to enable Meridian and IoT-based location services, asset tracking, and mobile engagement services. For expanded use cases, an IoT expansion radio can be added to support the Zigbee protocol. These features allow organizations to leverage the AP as an IoT platform, which eliminates the need for an overlay infrastructure and additional IT resources.

Choose Your Operating Mode

HPE Aruba Networking Unified APs offer a choice of deployment and operating modes to meet your unique management and deployment requirements:

- The 303H AP is a unified AP that supports both controller-based and controller-less deployment modes, providing maximum flexibility.
- Controller-based mode: When deployed in conjunction with an HPE Aruba Networking Mobility Controller, HPE Aruba Networking APs offer centralized configuration, data encryption, policy enforcement and network services, as well as distributed and centralized traffic forwarding.
- Controller-less (Instant) mode: The controller function is virtualized in a cluster of APs in Instant mode. As the network grows and/or requirements change, Instant deployments can easily migrate to controller-based mode.
- Remote AP (RAP) mode for branch deployments.
- Air monitor (AM) for wireless IDS, rogue detection, and containment.
- Spectrum analyzer, dedicated or hybrid, for identifying sources of RF interference.
- Secure enterprise mesh.

For large installations across multiple sites, the Aruba Activate service significantly reduces deployment time by automating device provisioning, firmware upgrades, and inventory management. With Aruba Activate, APs in Instant mode can configure themselves when powered up.

WI-FI Antennas

- Two integrated dual-band moderately directional antennas for 2x2 MIMO with maximum individual antenna gain of 4.2dBi in 2.4GHz and 5.6dBi in 5GHz. Built-in antennas are optimized for vertical orientation of the AP.
- The horizontal beamwidth is roughly 120 degrees.
  Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the effective per-antenna pattern is 3.4dBi in 2.4GHz and 4.5dBi in 5GHz.

Mounting

- The AP ships with a mounting plate to attach the AP to a single-gang wall-box (most international variations covered). A security screw (T8H) is provided to ensure that the AP cannot (easily) be removed from its mount without a specialized tool.
- Several optional mount kits are available to attach the AP to a dual-gang wall-box, directly to the wall, or to support desk mounting.
- In the 303HR bundles the 303H AP ships with a pre-assembled and installed desk mount, a power adapter, and an AC power cord.

Warranty

- **HPE Aruba Networking Limited lifetime warranty**

Standard Features

Minimum Software Versions

- HPE ArubaOS™: 6.5.2.0/8.2.0.0
- InstantOS™: 6.5.2.0/8.2.0.0

Other Interfaces

- **Uplink: 10/100/1000BASE-T Ethernet (RJ-45, back)**
  - Auto-sensing link speed and MDI/MDX
  - 802.3az Energy Efficient Ethernet (EEE)
  - PoE-PD (input): 48 Vdc (nominal) 802.3af/at PoE
- **Local: Three 10/100/1000BASE-T Ethernet (RJ-45, bottom)**
  - Auto-sensing link speed and MDI/MDX
  - 802.3az Energy Efficient Ethernet (EEE)
  - One port: PoE-PSE (output): 48 Vdc (nominal) 802.3af PoE
- **Passive pass-through interface (two RJ-45, back and bottom)**
  - Bluetooth Low Energy (BLE) radio
    - Up to 4dBm transmit power (class 2) and -93dBm receive sensitivity
    - Integrated antenna with moderately directional pattern and peak gain of 0.9dBi
- **USB 2.0 host interface (Type A connector)**
  - 3G/4G cellular modems
  - Device battery charging port
  - Capable of supplying up to 1A/5 watts of power to an attached device
- **DC power interface**, accepts 1.35/3.5-mm center-positive circular plug with 9.5-mm length
- **Visual indicators (LEDs):**
  - Power/system status
  - Radio status
  - PoE-PSE status
  - Local network port status (3x)
- **Reset/LED control button (“paperclip access”)**
  - Factory reset (when activated during device power up)
  - LED control: toggle off/normal
  - Serial console interface (custom, uUSB physical jack)

Configuration Information

BTO Models

Rule#	Description	SKU
	303H Unified Access Points	
Notes:	– All models ship with a single gang wall-box mount bracket in the box.	
	– Add POE or DC power source	
	Aruba AP-303H (RW) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY678A
	Aruba AP-303H (US) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY680A
	Aruba AP-303H (IL) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY684A
	Aruba AP-303H (JP) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY682A
	Aruba AP-303H (EG) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY862A
	Aruba AP-303H (JP) TAA Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY683A
1	Aruba AP-303H (IL) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY684A
	Aruba AP-303H (IL) TAA Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY685A
	Aruba AP-303H (EG) Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY862A
	Aruba AP-303H (EG) TAA Dual-radio 802.11ac 2x2 Unified Hospitality AP with Internal Antennas	JY863A
	Aruba AP-303HR (EU) 802.11ac Dual 2x2:2 Radio Remote AP Bundle	JZ087A
	303HR Unified Access Points	
7	Aruba AP-303HR (US) 802.11ac Dual 2x2:2 Radio Remote AP Bundle	JZ088A
7	Aruba AP-303HR (US) Remote AP Bundle	
Notes:	Contains: AP, desk stand, power adapter and European AC power cord (europlug)	
	Configuration Rules	
1	Available everywhere except, US, Israel, Egypt and Japan.	
7	This bundle is not further configurable	

Power Options

Std (Min 0 // max 1) User Selection (min 0 // max 1)

Notes:	– If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the HPE Aruba Networking Localization Menu	
	– Most devices are PoE powered from switch, so these are optional	
	Compatible with the 303H AP models	
	HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector	R6P67A
	HPE Aruba Networking AP-POE-AFGE 1-Port GbE 802.3af 15.4W Midspan Injector	R6P68A
	HPE Aruba Networking AP-AC2-48C 48V/50W AC/DC Desktop Style Power Adapter with 1.35/3.5mm Connector	R3K01A
Notes:	– If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the HPE Aruba Networking Localization Menu	
	– Compatible with the 303H AP	
	– OCA Blue Note - Most devices are PoE powered from switch, so these are optional	

Configuration Information

Mount Accessories

SKU

Std (Min 0 // max 1) User Selection (min 0 // max 1)

AP Mounting Kits

AP-303H-MNT1 Kit with Spare Single-gang Wall-box Mount Adapter for 303H Series AP	JY686A
AP-303H-MNT2 Kit with Optional Dual-gang Wall-box Mount Adapter for 303H Series AP	JY687A
HPE Aruba Networking AP-303H-MNTW Kit with Optional Wall Mount Adapter for 303H Series AP	JY688A
AP-303H-MNTD Kit with Optional Desk Mount Adapter for 303H Series AP	JY689A
AP-303H-MNTU Wall-box mount adapter with USB dongle enclosure for 303H Series AP	R3T21A

Notes:
- For 303H AP
- OCA Blue Note - 303H AP Unit ships with Single Gang Mount Bracket (JY686A)

Accessories

Accessories

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

HPE Aruba Networking AP-MOD-SERU Micro-USB TTL3.3V to RJ45 RS232 AP Console Adapter Module	R6Q99A
HPE Aruba Networking AP-CBL-SERU Micro-USB TTL3.3V to USB2.0 AP Console Adapter Cable	JY728A
HPE Aruba Networking AP-CBL-ETH10 10-pk Short Ethernet Cable	JW072A
HPE Aruba Networking AP-USB-ZB External USB based Dongle with Zigbee and BLE for AP	R2X45A
HPE Aruba Networking AP-USB-ZB 10-pk External USB based Dongle with Zigbee and BLE for AP	R2Y09A
HPE Aruba Networking AP-USB-ZB 50-pk External USB based Dongle with Zigbee and BLE for AP	R2Y10A
HPE Aruba Networking AP-MC-SFP Media Converter Module for WLAN Access Points	R8F89A
HPE Aruba Networking USB LTE Modem for Access Points and Gateways	R8F34A
HPE Aruba Networking USB Extender Cable Kit for use with Aruba USB LTE Modem	R8G76A
HPE Aruba Networking AP-MOD-SERU Micro-USB TTL3.3V to RJ45 RS232 AP Console Adapter Module	R6Q99A

Notes: For 303H AP

Software

Central

Cloud Services / Access Point Foundation Subscriptions

2, 8	HPE Aruba Networking Central AP Foundation 1 year Subscription E-STU	Q9Y58AAE
2, 8	HPE Aruba Networking Central AP Foundation 3 year Subscription E-STU	Q9Y59AAE
2, 8	HPE Aruba Networking Central AP Foundation 5 year Subscription E-STU	Q9Y60AAE
2, 8	HPE Aruba Networking Central AP Foundation 7 year Subscription E-STU	Q9Y61AAE
2, 8	HPE Aruba Networking Central AP Foundation 10 year Subscription E-STU	Q9Y62AAE

Cloud Services / Access Point Advanced Subscriptions

2, 8	HPE Aruba Networking Central AP Advanced 1 year Subscription E-STU	Q9Y63AAE
2, 8	HPE Aruba Networking Central AP Advanced 3 year Subscription E-STU	Q9Y64AAE
2, 8	HPE Aruba Networking Central AP Advanced 5 year Subscription E-STU	Q9Y65AAE
2, 8	HPE Aruba Networking Central AP Advanced 7 year Subscription E-STU	Q9Y66AAE
2, 8	HPE Aruba Networking Central AP Advanced 10 year Subscription E-STU	Q9Y67AAE

On-Prem Services / Access Point Foundation Subscriptions

3, 8	HPE Aruba Networking Central on Prem AP Foundation 1 year Subscription E-STU	R6U63AAE
3, 8	HPE Aruba Networking Central on Prem AP Foundation 3 year Subscription E-STU	R6U64AAE
3, 8	HPE Aruba Networking Central on Prem AP Foundation 5 year Subscription E-STU	R6U65AAE
3, 8	HPE Aruba Networking Central on Prem AP Foundation 7 year Subscription E-STU	R6U66AAE
3, 8	HPE Aruba Networking Central on Prem AP Foundation 10 year Subscription E-STU	R6U67AAE

Configuration Information

	FedRAMP Services / Access Point Advanced Subscriptions	
6, 8	HPE Aruba Networking Central AP Advanced Government 1-year Subscription E-STU	R8K84AAE
6, 8	HPE Aruba Networking Central AP Advanced Government 3-year Subscription E-STU	R8K85AAE
6, 8	HPE Aruba Networking Central AP Advanced Government 5-year Subscription E-STU	R8K86AAE
6, 8	HPE Aruba Networking Central AP Advanced Government 7-year Subscription E-STU	R8K87AAE
6, 8	HPE Aruba Networking Central AP Advanced Government 10-year Subscription E-STU	R8K88AAE
	Configuration Rules	
Rule #	**Description**	**SKU**
2	Add the Central Cloud SKUs to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > Cloud Services	
3	Add the Central On-Prem SKUs to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > On-Prem Services	
6	Add the Central FedRAMP Service SKUs to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > FedRAMP	
8	For OCA: When configuring the following AP 10-Pack, selection condition for this Subscription should be 0 (default) or 10	
	HPE Aruba Networking AP-503 (RW) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point	S1E83A
	HPE Aruba Networking AP-503 (US) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point	S1E84A

As-a-Service

	Cloud Services / Access Point Foundation Subscriptions	
7	HPE Aruba Networking Central AP Foundation 1 year Subscription SaaS	Q9Y58AAS
7	HPE Aruba Networking Central AP Foundation 3 year Subscription SaaS	Q9Y59AAS
7	HPE Aruba Networking Central AP Foundation 5 year Subscription SaaS	Q9Y60AAS
7	HPE Aruba Networking Central AP Foundation 7 year Subscription SaaS	Q9Y61AAS
7	HPE Aruba Networking Central AP Foundation 10 year Subscription SaaS	Q9Y62AAS
	Cloud Services / Access Point Advanced Subscriptions	
7	HPE Aruba Networking Central AP Advanced 1 year Subscription SaaS	Q9Y63AAS
7	HPE Aruba Networking Central AP Advanced 3 year Subscription SaaS	Q9Y64AAS
7	HPE Aruba Networking Central AP Advanced 5 year Subscription SaaS	Q9Y65AAS
7	HPE Aruba Networking Central AP Advanced 7 year Subscription SaaS	Q9Y66AAS
7	HPE Aruba Networking Central AP Advanced 10 year Subscription SaaS	Q9Y67AAS
	Configuration Rules	
Rule#	**Description**	**SKU**
7	For IRIS reference only. No action required for OCX and Clic	

Technical Specifications

RF Performance Table

	Maximum transmit power (dBm) per transmit chain	Receiver sensitivity (dBm) per receive chain
802.11b 2.4GHz		
1Mbps	18.0	-96.0
11Mbps	18.0	-88.0
802.11g 2.4GHz		
6Mbps	18.0	-91.0
54Mbps	16.0	-74.0
802.11n HT20 2.4GHz		
MCS0/8	18.0	-90.0
MCS7/15	14.0	-71.0
802.11n HT40 2.4GHz		
MCS0/8	18.0	-87.0
MCS7/15	14.0	-69.0
802.11a 5GHz		
6Mbps	18.0	-90.0
54Mbps	16.0	-73.0
802.11n HT20 5GHz		
MCS0/8	18.0	-90.0
MCS7/15	14.0	-71.0
802.11n HT40 5GHz		
MCS0/8	18.0	-87.0
MCS7/15	14.0	-68.0
802.11ac VHT20 5GHz		
MCS0	18.0	-90.0
MCS8	13.0	-67.0
802.11ac VHT40 5GHz		
MCS0	18.0	-87.0
MCS9	12.0	-62.0
802.11ac VHT80 5GHz		
MCS0	18.0	-84.0
MCS9	12.0	-59.0

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

Technical Specifications

Mechanical

AP303-H

- Dimensions/weight (unit, including single-gang wall box mount plate):
  - 86mm (W) x 40mm (D) x 150mm (H)
  - 350g
- Dimensions/weight (shipping):
  - 128mm (W) x 63mm (D) x 168mm (H)
  - 470g

AP303-HR

- Dimensions/weight (unit, including single-gang wall box mount plate):
  - 86mm (W) x 40mm (D) x 150mm(H)
  - 430g
- Dimensions/weight (shipping):
  - 293mm (W) x 137mm (D) x 93mm (H)
  - 790g

Regulatory Model Numbers

- AP-303H-xx (all variants): APINH303

Power Sources and Consumption

- The AP supports direct DC power and Power over Ethernet (PoE)
- When both power sources are available, DC power takes priority over PoE
- Power sources are sold separately
- Direct DC power source: 48Vdc nominal, +/- 5%
- Power over Ethernet (PoE): 48 Vdc (nominal) 802.3af/802.3at compliant source
  - Unrestricted functionality with direct DC power. When using an 802.3af PoE source, the PoE out (PSE) capability of the 303H is always disabled.
  - Without IPM, both the USB port and PoE out (PSE) capability are disabled when the AP is powered by an 802.3af PoE source, and either the USB port or the PoE out (PSE) capability is disabled when powered by an 802.3at PoE source (PSE capability is disabled by default).
  - When using IPM, the AP may enter power-save mode with reduced functionality when powered by a PoE source (see details on Intelligent Power Monitoring elsewhere in this datasheet).
- Maximum (worst-case) power consumption: 9.7W
  - Excludes power consumed by external USB and/or PoE-PD device (and internal losses); this could add up to 6.1W (PoE) for a 5W/1A USB device and up to 15.6W for a max load (15.4W) 802.3af PoE-PD device.
- Maximum (worst-case) power consumption in idle mode: 4.9W (PoE) or 4.8W (DC)

Reliability

- MTBF: 1,090,000 hours (124 years) at +25C operating temperature

Environmental

- Operating:
  - Temperature: 0° C to +40° C (+32° F to +104° F)
  - Humidity: 5% to 93% non-condensing
- Storage and transportation:
  - Temperature: -40° C to +70° C (-40° F to +158° F)

Technical Specifications

WI-FI Radio Specifications

- AP type: Indoor, dual radio, 5GHz 802.11ac 2x2 MIMO and 2.4GHz 802.11n 2x2 MIMO
  Notes: 256-QAM modulation (802.11ac) supported by the 2.4GHz radio as well
- Software-configurable dual radio supports 5GHz (Radio 0) and 2.4GHz (Radio 1)
- 5GHz: Two spatial stream Multi User (MU) MIMO for up to 867Mbps wireless data rate to up to two (1x1 VHT80) MU-MIMO capable client devices simultaneously
- 5GHz: Two spatial stream Single User (SU) MIMO for up to 867Mbps wireless data rate to individual 2x2 VHT80 client devices
- 2.4GHz: Two spatial stream Single User (SU) MIMO for up to 300Mbps wireless data rate to individual 2x2 HT40 client devices
- Support for up to 255 associated client devices per radio, and up to 16 BSSIDs per radio
- Supported frequency bands (country-specific restrictions apply):
  - 2.400 to 2.4835GHz
  - 5.150 to 5.250GHz
  - 5.250 to 5.350GHz
  - 5.470 to 5.725GHz
  - 5.725 to 5.850GHz
- 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)
- Supported modulation types:
  - 802.11b: BPSK, QPSK, CCK
  - 802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
- Transmit power: Configurable in increments of 0.5 dBm
- Maximum (conducted) transmit power (limited by local regulatory requirements):
  - 2.4GHz band: +18 dBm per chain, +21 dBm aggregate (2x2)
  - 5GHz band: +18 dBm per chain, +21 dBm aggregate (2x2)
    Notes: Conducted transmit power levels exclude antenna gain. For total (EIRP) transmit power, add antenna gain.
- Advanced Cellular Coexistence (ACC) minimizes interference from cellular networks
- Maximum ratio combining (MRC) for improved receiver performance
- Cyclic delay/shift diversity (CDD/CSD) for improved downlink RF performance
- Short guard interval for 20MHz, 40MHz and 80MHz channels
- 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
- Supported data rates (Mbps):
  - 802.11b: 1, 2, 5.5, 11
  - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54
  - 802.11n (2.4GHz): 6.5 to 300 (MCS0 to MCS15)
  - 802.11n (5GHz): 6.5 to 450 (MCS0 to MCS23)
  - 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS = 1 to 2 for VHT20/40/80)
- 802.11n high-throughput (HT) support: HT 20/40
- 802.11ac very high throughput (VHT) support: VHT 20/40/80
- 802.11n/ac packet aggregation: A-MPDU, A-MSDU

Technical Specifications

Certifications

- CB Scheme Safety, cTUVus
- UL2043 plenum rating
- Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac

Regulatory

- FCC/Industry of Canada
- CE Marked
- R&TTE Directive 1995/5/EC
- Low Voltage Directive 72/23/EEC
- EN 300 328
- EN 301 489
- EN 301 893
- UL/IEC/EN 60950
- EN 60601-1-1 and EN 60601-1-2

For more country-specific regulatory information and approvals, please see your HPE Aruba Networking representative.

Summary of Changes

Date	Version History	Action	Description of Change
19-Feb-2024	Version 17	Changed	Series name was updated.
07-Aug-2023	Version 16	Changed	Configuration Information section was updated
05-Jul-2022	Version 15	Changed	Configuration Information section was updated, new SKUs were also added in that section.
06-Dec-2021	Version 14	Changed	SKUs were added in Configuration Information section.
15-Mar-2021	Version 13	Changed	SKUs were added in Configuration Information section.
08-Sep-2020	Version 12	Changed	Configuration Information section was updated. Obsolete SKUs were removed.
15-Jun-2020	Version 11	Changed	Configuration Information section was updated.
09-Dec-2019	Version 10	Changed	Overview and Standard Features sections were updated.
04-Nov-2019	Version 9	Changed	Configuration Information section was updated. New SKUs were added.
07-Oct-2019	Version 8	Changed	Overview and Configuration Information sections were updated. New SKUS were added
01-Oct-2018	Version 7	Changed	SKU descriptions updated.
18-Dec-2017	Version 6	Changed	Minor changes made on Features and Benefits
23-Oct-2017	Version 5	Changed	Features and Benefits updated
27-Jun-2017	Version 4	Changed	Features and Benefits updated
05-Jun-2017	Version 3	Added	Models added: JZ087A, JZ088A
13-Feb-2017	Version 2	Changed	Updates made on Configuration section
06-Feb-2017	Version 1	New	New QuickSpecs

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Hewlett Packard Enterprise

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