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 370 Series Access Points

High performance 802.11ac Wave 2 for outdoor environments

Weatherproof and temperature-hardened, the HPE Aruba Networking 370 Series Access Points deliver multi-gigabit Wi-Fi to outdoor and environmentally challenging locations. With a maximum aggregate data rate of over 2 Gbps (2.4GHz: 300Mbps; 5GHz: 1,733 Mbps), the 370 Series comes with multi-user MIMO (MU-MIMO), 4 spatial streams (4SS), and optional 160MHz channel bandwidth (VHT160) to quickly add performance and capacity to existing or new wireless networks.

Able to survive in harsh outdoor environments, the 370 Series can withstand exposure to high and low temperature extremes, windspeeds up to 165 mph, and tolerate persistent moisture, precipitation, and dust and salt sprays for extended periods of time. All electrical interfaces include industrial strength surge protection.

To simplify policy enforcement, the HPE Aruba Networking 370 Series uses HPE Aruba Networking's policy enforcement firewall (PEF) feature to encapsulate all traffic from the AP 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.

The 370 Series includes HPE Aruba Networking's patented ClientMatch technology to eliminate sticky client issues while optimizing 802.11ac Wave 2 performance. These APs continuously gather session performance metrics to steer mobile devices to the best-available AP - even while users roam. With MU-MIMO awareness, ClientMatch can group MU-MIMO capable devices together to increase network capacity and efficiency. ClientMatch also participates in HPE Aruba Networking's AI-powered Mobility solution.

Like all HPE Aruba Networking Wi-Fi 6 APs, the 370 Series includes an integrated Bluetooth Low Energy radio to simplify the deployment and management of location services, asset tracking services, security solutions and IoT sensors. This allows organizations to leverage the 370 Series as an IoT platform, which eliminates the need for an overlay infrastructure and additional IT resources.



HPE Aruba Networking 370 Series Access Points

Standard Features

Unique Benefits

- 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 ClearPass Policy Manager.
- VPN Tunnels
  - In Remote AP (RAP) and IAP-VPN deployments, the HPE Aruba Networking 318 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 APs have an installed TPM for secure storage of credentials and keys, and boot code.
- Flexible operations and management
  - Controller-less (Instant) mode - For enhanced device assurance, all HPE Aruba Networking APs have an installed TPM for secure storage of credentials and keys, and boot code.
  - Mobility Controller mode - For optimized network performance, roaming and security, APs tunnel all traffic to a mobility controller for centrally managed traffic forwarding and segmentation, data encryption, and policy enforcement.
  - Other management options - Available management solutions include HPE Aruba Networking Central (cloud-managed) or Aruba AirWave – a multi-vendor on-premises management solution. For large installations across multiple sites, APs can be factory-shipped and can be activated with Zero Touch Provisioning through HPE Aruba Networking Central or AirWave. This reduces deployment time, centralizes configuration, and helps manage inventory..
- Additional Features
  - Zero Touch Provisioning - APs can be factory-shipped and zero-touch provisioned through HPE Aruba Networking Central or AirWave using a cloud-based service to reduce deployment time, centralize configuration, and manage inventory.
  - Advanced Cellular Coexistence - Minimizes interference from 3G/4G LTE cellular networks, distributed antenna systems (DAS), and commercial small cell or femtocell equipment.
  - Hardened, industrial design - Extends the temperature range capabilities of indoor access points for environments that lack heating and cooling. It also provides sealed connector interfaces to protect against dust and moisture.

Other Interfaces

- One 10/100/1000BASE-T Ethernet network interfaces (RJ-45)
  - Auto-sensing link speed and MDI/MDX
  - 802.3az Energy Efficient Ethernet (EEE)
- One 1000BASE-X SFP Port
- Bluetooth Low Energy (BLE) radio
  - Up to 4 dBm transmit power (class 2) and -91 dBm receive sensitivity
- Visual indicator (multi-color LED): For system and radio status
- Reset button: Factory reset (during device power up)
- Micro USB console interface
- Kensington security slot

Standard Features

Mounting

- AP-270-MNT-V1
- AP-270-MNT-V2
- AP-270-MNT-H1
- AP-270-MNT-H2

HPE Aruba Networking 370 Series Specifications

- AP-374
  - 5 GHz 802.11ac 4x4 MU-MIMO (1,733 Mbps max rate)
    - Four Nf connectors for external antenna operation
  - 2.4 GHz 802.11n 2x2 MIMO (300 Mbps max rate) radios
    - Two Nf connectors for external antenna operation at 2.4 GHz.
- AP-375
  - 5 GHz 802.11ac 4x4 MU-MIMO (1,733 Mbps max rate)
    - Internal Omni Antennas 4.6 dBi
  - 2.4 GHz 802.11n 2x2 MIMO (300 Mbps max rate) radios
    - Internal Omni Antennas 4.0 dBi
- AP-377
  - 5 GHz 802.11ac 4x4 MU-MIMO (1,733 Mbps max rate)
    - Internal 80°H x 80°V Directional Antennas 6.3 dBi
  - 2.4 GHz 802.11n 2x2 MIMO (300 Mbps max rate) radios
    - Internal 80°H x 80°V Directional Antennas 6.4 dBi

Power

- Worst-case power consumption from the AP: 23W
- Power sources sold separately
- Power over Ethernet (PoE+): 802.3at-compliant
- AC Power: 100-240 Volt 50/60Hz AC

Configuration Information

BTO Models

Remarks	Description	SKU
	370 Unified Outdoor Access Points	
	Aruba AP-375 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ172A
	Aruba AP-375 (US) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ173A
	Aruba AP-375 (EG) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ169A
	Aruba AP-375 (IL) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ170A
	Aruba AP-375 (JP) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ171A
	370 TAA Unified Outdoor Access Points	
	Aruba AP-375 (RW) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ177A
	Aruba AP-375 (US) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ178A
	Aruba AP-375 (EG) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ174A
	Aruba AP-375 (IL) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ175A
	Aruba AP-375 (JP) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP	JZ176A

Mounting Accesories

Remarks	Description	SKU
	AP Mount Kits	
1	HPE Aruba Networking AP-OUT-MNT-V1A Outdoor AP Long Arm Pole/Wall Mounting Bracket	R9H97A
1, 2	HPE Aruba Networking AP-270-MNT-V2 Outdoor AP Short Arm Pole/Wall Mounting Bracket	JW053A
2	HPE Aruba Networking AP-270-MNT-H1 Outdoor AP Hanging One-Way Tilt Pole/Wall Mounting Bracket	JW054A
2	HPE Aruba Networking AP-270-MNT-H2 Outdoor AP Flush Wall Mounting Bracket	JW055A
2	HPE Aruba Networking AP-270-MNT-H3 Outdoor AP Hanging Dual-Tilt Pole/Wall Mounting Bracket	R6W11A
	Configuration Rules	
Rule #	**Description**	**SKU**
1	This Mount Kit is not valid if the unit is operated with an SFP module	
2	For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)	

Notes:

- For 374
  - V2 bracket most often with AP-374. Leaves chassis 7.5 cm (3") from mounting asset
  - H1 bracket most often used for hanging from inclined or horizontal structure.
  - The AP-37x chassis does not ship with bracket.
- For 375
  - V1A bracket most often used for pole mount.
  - V2 bracket most often used for wall mount.
  - H1 bracket most often used for hanging from inclined or horizontal structure.
  - The AP-37x chassis does not ship with bracket
- For 377
  - H1 bracket most often with AP-377 for mounting to a wall. Allows chassis tilt.
  - V1A and V2 brackets can be used but will result in the AP-377 pointing down.
  - The AP-37x chassis does not ship with bracket.

	Chassis Power Cord	
	For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	HPE Aruba Networking PC-OD-AC-P-NA MST2HAC and AP-27x Weatherized AC Power 5m North Amer Cable	JW081A
	HPE Aruba Networking PC-OD-AC-P-INT MST2HAC and AP-27x Weatherized AC Power 5m International Cable	JW080A
	HPE Aruba Networking CKIT-OD-AC-P MST2HAC and AP-27x Custom AC Power Cable Connector Assembly Kit	JW079A

Notes: These are used to provide AC power to the AP-37x chassis AP-37x may be powered by AC, PoE, or both AC and PoE

Configuration Information

Transceivers

Remarks	Description	SKU
	SFP	
	For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	HPE Aruba Networking SFP-LX Extended Temp 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	Q8N52A
	SFP-SX Extended Temperature 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	Q8N53A
	HPE Aruba Networking Outdoor SFP Weathertight Strain Relief Kit	Q8N54A
Notes:	– Add Qty 1 of Q8N54A if this XCVR is selected	
	– If this XCVR is selected, then the following Mount Kit is not compatible: JW053A - AP-270-MNT-V2 270 Series Mt Kit	

Power Options

	PoE Power Options	
	For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	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
*	HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector	R6P67A
Notes:	– *If this Power Injector is selected, bring in (Min 1 // Max 1) Localized power cord based on the HPE Aruba Networking Localization Menu	
	– Indoor Injector provides no surge protection	
	– Indoor injector requires indoor AC power cord	
	– AP-37x may be powered by AC, PoE, or both AC and PoE	
	– 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	
	Power Injector Mounts	
	For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)	
	HPE Aruba Networking PD-MOUNT-OD Outdoor PoE Midspan Injectors Pole/Mast Mount Kit	JW620A
Notes:	This is optional but recommended for outdoor injectors	

Antennas

	5.0 GHz Antennas	
	For 374 Std (Min 0 // max 99) User Selection (min 0 // max 99)	
*	HPE Aruba Networking ANT-2x2-5005 Pair 5GHz 5dBi Omni N-type Direct Mount Outdoor Antennas	JW026A
*	HPE Aruba Networking ANT-2x2-5010 Pair 5GHz 10dBi Omni N-Type Direct Mount Outdoor Antennas	JW027A
	HPE Aruba Networking ANT-4x4-5314 5.15-5.9GHz 14dBi Dual Pol MIMO Hi Gain Dir N-Type Outdoor Ant	JX988A
	HPE Aruba Networking ANT-3x3-5712 4.9-5.9GHz 12.0dBi V Pol 3 MIMO High Gain Dir Antennas	JW033A
	HPE Aruba Networking ANT-4x4-D707 Dual-Band 60x60deg 7dBi Panel V/H/+/-45 4 Element MIMO Outdoor Ant	S0A65A
Notes:	– *Must select Qty 0 or Qty 2	
	– All antennas defined for AP-374 ship with bracket	
	– ANT-2x2-5005, ANT-2x2-5010 are usually direct connect	
	– Radio 0 has 4 connectors	
	– Other antennas are N-type female connectorized	
	2.4 GHz Antennas	
	HPE Aruba Networking ANT-2x2-2005 Pair 2.4GHz 5dBi Omni N-type Direct Mount Outdoor Antennas	JW023A
	HPE Aruba Networking ANT-2x2-2314 2.4GHz 14dBi Dual Pol MIMO High Gain Dir N-Type Outdoor Antennas	JW024A
	HPE Aruba Networking ANT-2x2-2714 2.4G 14dBi 70deg Sector Dual Pol MIMO N-type Outdoor Antennas	JW025A

Configuration Information

	HPE Aruba Networking ANT-4x4-D707 Dual-Band 60x60deg 7dBi Panel V/H/+/-45 4 Element MIMO Outdoor Ant	S0A65A

Notes:
- All antennas defined for AP-374 ship with bracket
- ANT-2x2-2005 is usually direct connect
- ANT-4X4-D707 on 2.4Ghz radios will only use 2 connectors
- Radio 1 has 2 connectors
- Other antennas are N-type female connectorized

Cables

RF Cables

For 374 Std (Min 0 // max 6) User Selection (min 0 // max 6)

Remarks	Description	SKU
	HPE Aruba Networking AP-CBL-1 10ft(3m) Nm to Nf Outdoor Rated RF Cable	JW070A
	HPE Aruba Networking ANT-CBL-1 1m Nm to Nm Flexible Outdoor Rated RF Cable	JW068A
	HPE Aruba Networking ANT-CBL-2 2m Nm to Nm Flexible Outdoor Rated RF Cable	JW069A
	HPE Aruba Networking AFC7DL03-00 3m Nm to Nm Outdoor Rated RF Cable	JW064A
	HPE Aruba Networking AFC7DL04-00 4m Nm to Nm Outdoor Rated RF Cable	JW065A

Notes:
- Radio 0 has 4 connectors
- Radio 1 has 2 connectors
- No cables required for direct connect omnis

Accessories

Lightning Surge Arrestor

For 374 Std (Min 0 // max 6) User Selection (min 0 // max 6)

	HPE Aruba Networking AP-LAR-1 Nm to Nf Outdoor DC to 6 GHz In-line Coaxial Lightning Arrestor	JW061A

Notes:
- Not required unless RF cables are longer than 2m in length
- When used these are ordered in groups of 3 for each radio

Spare Items

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

For 374, 375, 377 Std (Min 0 // max 1) User Selection (min 0 // max 1)

1	HPE Aruba Networking Otdr AP Covers/Glands 1pk M25/5pk M20 Cover and Gland/2pk M16 Cover Ground Kit	Q8N47A
2	HPE Aruba Networking Outdoor AP Metric to Standard M20 to 1/2 inch NPT 5-pk Thread Adapter	Q8N48A

Configuration Rules

Rule #	Description	SKU
1	This is a collection of extra covers and cabling glands, replicating what is in the shipping box	
2	This is a thread adapter normally used to allow direct interface for 1/2" NPT conduit	

Notes: Spares of items that are shipped with the AP-370 chassis.

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

Configuration Information

	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
	On-Prem Services / Access Point Foundation Government Subscriptions	
3	HPE Aruba Networking COP AP Foundation Government 1-year Subscription E-STU	S1P56AAE
3	HPE Aruba Networking COP AP Foundation Government 3-year Subscription E-STU	S1P57AAE
3	HPE Aruba Networking COP AP Foundation Government 5-year Subscription E-STU	S1P58AAE
3	HPE Aruba Networking COP AP Foundation 7-year Government Subscription E-STU	S1P59AAE
3	HPE Aruba Networking COP AP Foundation 10-year Government Subscription E-STU	S1P60AAE
	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 2.4 GHz		
1 Mbps	22	-95
2 Mbps	22	-93
5.5 Mbps	22	-90
11 Mbps	22	-88
802.11g 2.4 GHz and 802.11a 5 GHz 2.4 GHz and 802.11a 5 GHz		
6 Mbps	22	-93
54 Mbps	19	-75
802.11n HT20 2.4 GHz and 5 GHz		
MCS0/8	22	-93
MCS7/15	18	-71
802.11n HT40 2.4 GHz and 5 GHz		
MCS0/8	22	-90
MCS7/15	18	-68
802.11ac VHT20 5 GHz		
MCS0	22	-93
MCS9	16	-68
802.11ac VHT40 5 GHz		
MCS0	22	-90
MCS9	15	-63
802.11ac VHT80 5 GHz		
MCS0	22	-87
MCS9	15	-61
802.11ac VHT160 5 GHz		
MCS0	22	-86
MCS9	15	-57

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

Technical Specifications

WI-FI Radio Specifications

- AP type: Outdoor hardened, dual radio, 5 GHz 802.11ac 4x4 MIMO and 2.4 GHz 802.11n 2x2 MIMO
- Software-configurable dual radio supports 5 GHz (Radio 0) and 2.4 GHz (Radio 1)
- 5 GHz: Four spatial stream Multi User (MU) MIMO for up to 1,733 Mbps wireless data rate to up to three MU-MIMO capable client devices simultaneously
- 5 GHz: Four spatial stream Single User (SU) MIMO for up to 1,733 Mbps wireless data rate to individual 4x4 VHT80 or 2x2 VHT160 client devices
- 2.4 GHz: Two spatial stream Single User (SU) MIMO for up to 300 Mbps wireless data rate to individual 2x2 HT40 client devices
- Support for up to 256 associated client devices per radio, and up to 16 BSSIDs per radio
- Supported frequency bands (country-specific restrictions apply):
  - 2.400 to 2.4835 GHz
  - 5.150 to 5.250 GHz
  - 5.250 to 5.350 GHz
  - 5.470 to 5.725 GHz
  - 5.725 to 5.850 GHz
- Available channels: Dependent on configured regulatory domain.
- Dynamic frequency selection (DFS) maximizes 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):
  - 2.4 GHz band: +22 dBm per chain, +25dBm aggregate (2x2)
  - 5 GHz band: +22 dBm per chain, +28dBm aggregate (4x4)

    Notes: conducted transmit power levels exclude antenna gain.
- Maximum EIRP (limited by local regulatory requirements):
  - 2.4 GHz band:
    - 374: 25 + Antenna Gain
    - 375: 29 dBm EIRP
    - 377: 31.4 dBm EIRP
  - 5 GHz band:
    - 374: 28 + Antenna Gain + TxBF Gain
    - 375: 35.6 dBm EIRP
    - 377: 36 dBm EIRP
- 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 20-MHz, 40-MHz, 80-MHz and 160-MHz 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 600 (MCS0 to MCS31)
  - 802.11ac: 6.5 to 1,733 (MCS0 to MCS9, NSS = 1 to 4 for VHT20/40/80, NSS = 1 to 2 for VHT160)
- 802.11n high-throughput (HT) support: HT 20/40



Technical Specifications

- 802.11ac very high throughput (VHT) support: VHT 20/40/80/160
- 802.11n/ac packet aggregation: A-MPDU, A-MSDU

Mechanical

- AP-374 Dimensions/weight (excluding mount):
  - 23 cm (W) x 24 cm (D) x 19 cm (H) with aesthetic cover
  - 9.0" (W) x 9.4" (D) x 7.5" (H)
  - 2.7 kg/6 lbs
  - 23 cm (W) x 24 cm (D) x 14 cm (H) without aesthetic cover
  - 9.0" (W) x 9.4" (D) x 5.5" (H)
  - 2.4 kg/5.3 lbs
- AP-375 Dimensions/weight (excluding mount):
  - 23 cm (W) x 24 cm (D) x 27 cm (H)
  - 9.0" (W) x 9.4" (D) x 10.6" (H)
  - 2.4 kg/5.3 lbs
  - AP-377 Dimensions/weight (excluding mount):
- 23 cm (W) x 22 cm (D) x 13 cm (H)
  - 9.0" (W) x 8.7" (D) x 5.1" (H)
  - 2.1 kg/4.6 lbs

Environmental

- Operating:
  - Temperature: -40° C to +65° C (-40° F to +149° F)
  - Humidity: 5% to 95% non-condensing
- Storage and transportation:
  - Temperature: -40° C to +70° C (-40° F to +158° F)
- Operating Altitude: 3,000 m
- Water and Dust
  - IP66/67
- Salt Tolerance
  - Tested to ASTM B117-07A Salt Spray 200hrs
- 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
- UL/IEC/EN 60950
- EN 60601-1-1, EN60601-1-2

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

Regulatory Model Numbers

- AP-374: APEX0374
- AP-375: APEX0375
- AP-377: APEX0377

Technical Specifications

Certifications

- CB Scheme Safety, cTUVus
- UL2043 plenum rating
- Wi-Fi Alliance certified 802.11a/b/g/n
- Wi-Fi CERTIFIED™ ac (with wave 2 features)

Warranty

- **Limited lifetime warranty**

Minimum Operating System Software

- HPE ArubaOS & Aruba InstantOS 8.3.0.0

Summary of Changes

Date	Version History	Action	Description of Change
08-Apr-2024	Version 14	Changed	Configuration Information section was updated.
19-Feb-2024	Version 13	Changed	Series name was updated.
16-Oct-2023	Version 12	Changed	Configuration Information section was updated.
07-Aug-2023	Version 11	Changed	Configuration Information section was updated.
21-Nov-2022	Version 10	Changed	Configuration Information section was updated.
01-Aug-2022	Version 9	Changed	Configuration Information section was updated.
06-Dec-2021	Version 8	Changed	Configuration Information section was updated.
15-Mar-2021	Version 7	Changed	SKUs added in Configuration Information section.
02-Nov-2020	Version 6	Changed	Configuration Information section was updated. New SKUs were added
08-Sep-2020	Version 5	Changed	Configuration Information section was updated. New SKUs were added
04-Nov-2019	Version 4	Changed	Overview and Configuration Information sections were updated. New SKUs were added
18-Dec-2017	Version 3	Changed	Minor changes made on Features and Benefits
04-Dec-2017	Version 2	Changed	Updates made on Environmental and HPE Aruba Networking 370 Series Specifications
06-Nov-2017	Version 1	New	New QuickSpecs

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