

Overview

Aruba 370 Series Access Points

High performance 802.11ac Wave 2 for outdoor environments

Weatherproof and temperature-hardened, the Aruba 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 Aruba 370 Series uses Aruba'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 Aruba Dynamic Segmentation.

The 370 Series includes Aruba'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 Aruba's AI-powered Mobility solution.

Like all Aruba 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.



Aruba 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 Aruba 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 Aruba 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 Aruba 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 Aruba 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 Aruba 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 Aruba 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**

Mounting

Standard Features

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

Aruba 370 Series Specifications

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

Step 1: Select AP Model**Remarks Description****370 Unified Outdoor Access Points**

Aruba AP-374 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (US) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (EG) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (IL) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (JP) 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-375 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (US) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (EG) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (IL) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (JP) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-377 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Directional Antenna Outdoor AP
 Aruba AP-377 (US) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Directional Antenna Outdoor AP
 Aruba AP-377 (EG) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Directional Antenna Outdoor AP
 Aruba AP-377 (IL) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Directional Antenna Outdoor AP
 Aruba AP-377 (JP) 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Directional Antenna Outdoor AP

370 Central Managed Outdoor Access Points

Aruba CM AP-375 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Integ Omni Antenna Outdoor AP
 Aruba CM AP-375 (US) 802.11n/ac Dual 2x2:2/4x4:4 Integ Omni Antenna Outdoor AP
 Aruba CM AP-377 (RW) 802.11n/ac Dual 2x2:2/4x4:4 Integ Directional Antenna Outdoor AP
 Aruba CM AP-377 (US) 802.11n/ac Dual 2x2:2/4x4:4 Integ Directional Antenna Outdoor AP

370 TAA Unified Outdoor Access Points

Aruba AP-374 (RW) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (US) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (EG) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (IL) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-374 (JP) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio 6xNf Connectors Outdoor AP
 Aruba AP-375 (RW) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (US) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (EG) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (IL) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-375 (JP) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integrated Omni Antenna Outdoor AP
 Aruba AP-377 (RW) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integ Directional Antenna Outdoor AP
 Aruba AP-377 (US) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integ Directional Antenna Outdoor AP
 Aruba AP-377 (EG) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integ Directional Antenna Outdoor AP
 Aruba AP-377 (IL) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integ Directional Antenna Outdoor AP
 Aruba AP-377 (JP) FIPS/TAA 802.11n/ac Dual 2x2:2/4x4:4 Radio Integ Directional Antenna Outdoor AP

Configuration Information

Step 2: Add mounting bracket

Remarks Description

Compatible with 374, 375 and 377 AP models

AP-270-MNT-V1 AP-270 Series Outdoor Pole/Wall Long Mount Kit

AP-270-MNT-V2 AP-270 Series Outdoor Pole/Wall Short Mount Kit

AP-270-MNT-H1 AP-270 Series Outdoor AP Hanging or Tilt Install Mount Kit

AP-270-MNT-H2 AP-270 Series Access Flush Wall or Ceiling Mount

AP-270-MNT-H3 AP-270 Series Outdoor AP Hanging or Dual-Tilt Install Mount Kit

Compatible with 375C and 377C AP models

Aruba CM AP-270-MNT-V1 AP-270 Series Outdoor Pole/Wall Long Mount Kit

Aruba CM AP-270-MNT-V2 AP-270 Series Outdoor Pole/Wall Short Mount Kit

Aruba CM AP-270-MNT-H1 AP-270 Series Outdoor AP Hanging or Tilt Install Mount Kit

Aruba CM AP-270-MNT-H2 AP-270 Series Access Flush Wall or Ceiling Mount

Notes: For 374

- o V2 bracket most often with AP-374. Leaves chassis 7.5 cm (3") from mounting asset
- o H1 bracket most often used for hanging from inclined or horizontal structure.
- o The AP-37x chassis does not ship with bracket.

For 375

- o V1 bracket most often used for pole mount.
- o V2 bracket most often used for wall mount.
- o H1 bracket most often used for hanging from inclined or horizontal structure.
- o The AP-37x chassis does not ship with bracket

For 377

- o H1 bracket most often with AP-377 for mounting to a wall. Allows chassis tilt.
- o V1 and V2 brackets can be used but will result in the AP-377 pointing down.
- o The AP-37x chassis does not ship with bracket.

Central designated SKUs are intended to be ordered with AP-370C products

Step 3: Add outdoor power cable for unites to be powered from AC (110/220V)

Compatible with 374, 375 and 377 AP models

PC-OD-AC-P-NA MST2HAC and AP-27x Weatherized AC Power 5m North Amer Cable

PC-OD-AC-P-INT MST2HAC and AP-27x Weatherized AC Power 5m International Cable

CKIT-OD-AC-P MST2HAC and AP-27x Custom AC Power Cable Connector Assembly Kit

Compatible with 375C and 377C AP models

Aruba CM PC-OD-AC-P-NA Outdoor AP Weatherized AC Power 5m North Amer Cable

Aruba CM CKIT-OD-AC-P Outdoor AP Custom AC Power Cable Connector Assembly Kit

Notes:

Q8N54A is a mandatory items if an SFP is used.

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

Central designated SKUs are intended to be ordered with AP-370C products

Configuration Information

Step 4: Add SPF for fiber connection (optional)

Remark	Description	SKU
Compatible with 374, 375 and 377 AP models		
	SFP-LX Extended Temperature 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	Q8N52A
	SFP-SX Extended Temperature 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	Q8N53A
	Outdoor SFP Weathertight Strain Relief Kit	Q8N54A
Compatible with 375C and 377C AP models		
	Aruba CM SFP-LX Ext Temperature 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	Q8N52A CM
	Aruba CM SFP-SX Ext Temperature 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	Q8N53A CM
	Aruba CM Outdoor SFP Weathertight Strain Relief Kit	Q8N54A CM

Notes: Q8N54A is a mandatory items if an SFP is used.
If this XCVR is selected, then the following Mount Kit is not compatible :JW053ACM - Aruba CM AP-270-MNT-V2 270 Series Mt Kit

Step 5: Add POE powering accessories for units to be POE powered

Compatible with 374, 375 and 377 AP models

Aruba PD-9001GO-NA 30W 802.3at PoE+ 10/100/1000 Otdr Surge Prot NA Power Cord Mdspan Injector	JW700A
Aruba PD-9001GO-INTL 30W 802.3at PoE+ 10/100/1000 Outdoor Surge Prot Intl Power Cord Injector	JW701A
Aruba PD-9001GO-DC 30W 802.3at PoE+ 10/100/1000 12-24V DC in Outdoor Surge Prot Midspan Injector	JW630A
AP-POE-ATSR 1-Port Smart Rate 802.3at 30W midspan injector	R6P67A
Aruba PD-9001GR-AC 30W 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector	JW629A

Notes: If this Power Injector is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Localization Menu.

Compatible with 375C and 377C AP models

Aruba CM PD-9001GO-NA 802.3at PoE+ 10/100/1000 Otdr Surge Prot NA Power Cord Mdspan Inject	JW700A CM
Aruba CM PD-9001GO-DC 802.3at PoE+ 10/100/1000 12-24V DC in Otdr Surge Prot Midspan Inject	JW630A CM
Aruba CM PD-9001GR-AC 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector	JW629A CM

Notes: If this Power Injector is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Localization Menu.

Central designated SKUs are intended to be ordered with AP-370C products

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 is not sourced by Aruba

Configuration Information

Step 6: Add mounting kit for outdoor POE Midspan injector (optional)

Remarks Description

Compatible with 374, 375 and 377 AP models

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

Compatible with 375C and 377C AP models

Aruba CM PD-MOUNT-OD Outdoor PoE Midspan Injectors Pole/Mast Mount Kit

Notes: 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

Step 7: Select 3-Prong AC power cord for indoor POE injector

PC-AC-ARG AC power cord 250V/10A 1.8m C13 to IRAM 2073
PC-AC-AUS AC power cord 250V/10A 1.8m C13 to AS3112
PC-AC-BR AC power cord 250V/10A 1.8m C13 to NBR 14136
PC-AC-CHN AC power cord 250V/10A 1.8m C13 to GB2099
PC-AC-DEN AC power cord 250V/10A 1.8m C13 to AFSNIT 107-2-D1
PC-AC-EC AC power cord 250V/10A 1.8m C13 to CEE7/7
PC-AC-IN AC power cord 250V/6A 1.8m C13 to IS1293
PC-AC-IL AC power cord 250V/10A 1.8m C13 to SI32
PC-AC-IT AC power cord 250V/10A 1.8m C13 to CEI 23-50
PC-AC-JPN AC power cord 125V/12A 1.8m C13 to JISC 8303
PC-AC-KOR AC power cord 250V/7A 1.8m C13 to KSC 8305
PC-AC-NA AC power cord 125V/10A 1.8m C13 to NEMA 5-15P
PC-AC-SWI AC power cord 220V/10A 1.8m C13 to SEV 1011
PC-AC-TW AC power cord 125V/7A 1.8m C13 to CNS 10917
PC-AC-UK AC power cord 250V/10A 1.8m C13 to BS1363
PC-AC-ZA AC power cord 250V/10A 1.8m C13 to SANS 164-1

Step 8: Add antenna for radio 0 (5 GHZ) (Aruba 374 only)

ANT-2x2-5005 Pair 5GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
ANT-2x2-5010 Pair 5GHz 10dBi Omni N-Type Direct Mount Outdoor Antennas
ANT-4x4-5314 5.15-5.9GHz 14dBi 30x30deg Dual Pol MIMO Hi Gain Dir N-Type Outdoor Antenna
ANT-3x3-5712 4.9-5.9GHz 12.0dBi 75x25deg +/- 45deg and V Pol 3 MIMO High Gain Dir Antenna
ANT-4x4-D100 Dual Band 90x90deg 5dBi +/- 45 and Vert Pol MIMO N-Type Bracket + Antenna
ANT-4x4-D608 Dual Band 60x60deg 8dBi +/- 45 and Vert Pol MIMO N-Type Bracket + Antenna

Notes: 5 GHz radio has 4 connectors so 2 sets of JW026A or JW027A are necessary for full configuration

Step 9: Add antenna for radio 1 (2.4 GHZ) (Aruba 374 only)

ANT-2x2-2005 Pair 2.4GHz 5dBi Omni N-type Direct Mount Outdoor Antennas
ANT-2x2-2314 2.4 GHz 14dBi 30x30deg Dual Pol MIMO High Gain Dir N-Type Outdoor Antenna
ANT-2x2-2714 2.4G 14dBi 70deg Sector Dual Pol MIMO N-type Outdoor Antenna
ANT-3x3-D100 Dual Band 90x90deg 5dBi +/- 45 and Vert Pol MIMO N-Type Antenna
ANT-3x3-D608 Dual Band 60x60deg 8dBi +/- 45 and Vert Pol MIMO N-Type Antenna

Configuration Information

Step 10: Add RF cables (Aruba 374 only)

Remarks Description

AP-CBL-1 10ft(3m) Nm to Nf Outdoor Rated RF Cable
 ANT-CBL-1 1m Nm to Nm Flexible Outdoor Rated RF Cable
 ANT-CBL-2 2m Nm to Nm Flexible Outdoor Rated RF Cable
 AFC7DL03-00 3m Nm to Nm Outdoor Rated RF Cable
 AFC7DL04-00 4m Nm to Nm Outdoor Rated RF Cable

Step 11: Add lightning surge arrestor (Aruba 374 only)

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

Notes: [Not required unless RF cables are longer than 2m in length](#)

Step 12: Add installation material (optional Aruba 374 only)

AINS2KKIT-00 2 Elec Tape Rolls Mastic Tape and White Tie Wraps Otdr Install Materials

Step 13: Spares of items that are shipped with the Aruba 370 chassis (optional)

Compatible with 374, 375 and 377 AP models

Outdoor AP Covers and Glands 1-pk M25/5-pk M20 Cover/2-pk M16 Cover/5-pk M20 Gland/2-pk Ground Kit

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

Compatible with 375C and 377C AP models

Aruba CM Outdoor AP Covers and Glands Spare Kit Ground Kit

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

Notes: [Spares of items that are shipped with the AP-370 chassis.](#)
[Central designated SKUs are intended to be ordered with AP-370C products](#)

Step 8: Add Software (Optional)

Remarks Description

Aruba Central AP Foundation 1 year Subscription E-STU
 Aruba Central AP Foundation 3 year Subscription E-STU
 Aruba Central AP Foundation 5 year Subscription E-STU
 Aruba Central AP Foundation 7 year Subscription E-STU
 Aruba Central AP Foundation 10 year Subscription E-STU
 Aruba Central AP Advanced 1yr Subscription E-STU
 Aruba Central AP Advanced 3yr Subscription E-STU
 Aruba Central AP Advanced 5yr Subscription E-STU
 Aruba Central AP Advanced 7yr Subscription E-STU
 Aruba Central AP Advanced 10yr Subscription E-STU

Notes: [Add the Central Cloud Skus to the Aruba Catalog as Standalone:](#)
[Aruba > Network Management > Central > Cloud Services](#)
 Aruba Central On-Premises AP Foundation 1 year Subscription E-STU
 Aruba Central On-Premises AP Foundation 3 year Subscription E-STU
 Aruba Central On-Premises AP Foundation 5 year Subscription E-STU
 Aruba Central On-Premises AP Foundation 7 year Subscription E-STU
 Aruba Central On-Premises AP Foundation 10 year Subscription E-STU

Notes: [Add the Central On-Prem Skus to the Aruba Catalog as Standalone:](#)
[Aruba > Network Management > Central > On-Prem Services](#)

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.

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

Technical Specifications

- 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:
 - o 374: 25 + Antenna Gain
 - o 375: 29 dBm EIRP
 - o 377: 31.4 dBm EIRP
 - 5 GHz band:
 - o 374: 28 + Antenna Gain + TxBF Gain
 - o 375: 35.6 dBm EIRP
 - o 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
- 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

Technical Specifications

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 Aruba 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

- ArubaOS & Aruba InstantOS 8.3.0.0
-

Summary of Changes

Date	Version History	Action	Description of Change
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 Aruba 370 Series Specifications
06-Nov-2017	Version 1	New	New QuickSpecs

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