Multi-functional 360 Series 802.11ac Wave 2 outdoor access points deliver cost-effective wireless connectivity to mobile and IoT devices in a wide range of outdoor and warehouse environments.

With a maximum aggregate data rate of 1.2 Gbps (1.167 Gbps), the 360 Series comes with multi-user MIMO (MU-MIMO), 2 spatial streams (2SS), and optional 80MHz channel bandwidth (VHT80) to quickly add performance and capacity to existing or wireless networks.

EXTREME WEATHER RESILIENCY

Able to survive in harsh outdoor environments and provide connectivity in warehouses and distribution centers, the 360 Series can withstand exposure to high and low temperature extremes, wind speeds 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.

MU-MIMO AWARE CLIENT OPTIMIZATION

The 360 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.

IOT-READY

The 360 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 360 Series as an IoT platform, which eliminates the need for an overlay infrastructure and additional IT resources.

ARUBA SECURE INFRASTRUCTURE

The Aruba 360 Series includes components of Aruba’s 360 Secure Fabric 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 ClearPass Policy Manager.

VPN Tunnels

In Remote AP (RAP) and IAP-VPN deployments, the Aruba 360 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.

SIMPLE AND SECURE ACCESS
To simplify policy enforcement, the Aruba 360 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.

FLEXIBLE OPERATION AND MANAGEMENT
A unique feature of Aruba APs is the ability to operate in either controllerless (Instant) or controller-based mode.

Controller-less (Instant) mode
In controllerless mode, one AP serves as a virtual controller for the entire network. Learn more about Instant mode in this technology brief.

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. Learn more in the ArubaOS datasheet.

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 (ACC)
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.

AP-360 SERIES SPECIFICATION
- AP-365
  - 2.4-GHz (300 Mbps max) and 5-GHz (867 Mbps max) radios, each with 2x2 MIMO and integrated omni-directional antennas.
- AP-367
  - 2.4-GHz (300 Mbps max) and 5-GHz (867 Mbps max) radios, each with 2x2 MIMO and integrated directional antennas.

WIRELESS RADIO SPECIFICATIONS
- AP type: outdoor, dual radio, 5 GHz 802.11ac and 2.4 GHz 802.11n
- 2x2 MIMO with two spatial streams and up to 1,266 Mbps wireless data rate
- Supported frequency bands (country-specific restrictions apply):
  - 2.4000 GHz to 2.4835 GHz
  - 5.150 GHz to 5.250 GHz
  - 5.250 GHz to 5.350 GHz
  - 5.470 GHz to 5.725 GHz
  - 5.725 GHz to 5.875 GHz
- Available channels: Dependent upon configured regulatory domain
- Dynamic Frequency Selection (DFS) compliant to radar coexistence requirements
- Supported radio technologies:
  - 802.11b: Direct-sequence spread-spectrum (DSSS)
  - 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM)
  - 802.11n/ac: 2x2 MU-MIMO with up to two spatial streams
- Supported modulation types:
  - 802.11b: BPSK, QPSK, CCK
  - 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM
  - 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
- Transmit power: Configurable in increments of 0.5 dBm
DATA SHEET
ARUBA 360 SERIES OUTDOOR ACCESS POINTS

- Maximum (conducted aggregate) transmit power (limited by local regulatory requirements):
  - 2.4-GHz band: +26 dBm (23 dBm per chain)
  - 5-GHz bands: +25 dBm (22 dBm per chain)
- Maximum EIRP (limited by local regulatory requirements):
  - 2.4 GHz band
    > 365 28.7 dBm EIRP
    > 367 32.3 dBm EIRP
  - 5 GHz Band
    > 365 29.3 dBm EIRP
    > 367 31.5 dBm EIRP
- Advanced cellular coexistence (ACC) feature to effectively deal with interference from cellular systems
- Maximum ratio combining (MRC) for improved receiver performance
- Cyclic delay diversity (CDD) for improved downlink RF performance
- Short guard interval for 20-MHz, 40-MHz and 80-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 reliability in signal delivery
  - 802.11ac wave 2 MU-MIMO
- 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)
  - 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS = 1 to 2)
- 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 Power
- Maximum power consumption: 12.5 watts
- Power over Ethernet (PoE): 48 Vdc (nominal)
- 802.3af-compliant source

ANTENNAS
Supports 802.11ac TxBF which provides an effectively infinite variety of antenna patterns
- AP-365: Integrated Omni antennas (H and V polarized)
  - 2.7 dBi @ 2.4 GHz
  - 4.3 dBi @ 5.x GHz
- AP-367: Integrated Directional antennas (+/-45 polarized)
  - 6.3 dBi @ 2.4 GHz (90° Vertical x 90° Horizontal)
  - 6.5 dBi @ 5.x GHz (90° Vertical x 100° Horizontal)

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)
  - PoE-PD: 802.3af PoE
- Serial console interface (micro USB)
- Reset button
- Visual indicator (LED):
  - Power/system status

MOUNTING
- Ordered separately
- 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
- Dimensions/weight (unit, excluding mount accessories):
  - 165mm (W) x 165mm (D) x 110mm (H),
    - 6.5” (W) x 6.5” (D) 4.3” (H)
  - 807g/1.78lbs (AP-365)
  - 815g/1.80lbs (AP-367)
- Dimensions/weight (shipping):
  - 198mm (W) x 200mm (D) x 128mm (H),
    - 7.8” (W) x 7.9” (D) x5.0” (H)
  - 1,115g/2.46lbs (AP-365)
  - 1,123g/2.48lbs (AP-367)

ENVIRONMENTAL
- Operating:
  - Temperature: -40° C to +55° C (-40° F to +131°F) ambient in full sun
  - Humidity: 5% to 95% non-condensing
  - Max Elevation 3000m
- Storage and transportation:
  - Temperature: -40° C to +70° C (-40° F to +158°F)
  - EN 300 019 Storage and Transportation
  - Shock, vibration, and earthquake
    - IEC 60068-2-64/-27/-6
• Weather resistance
  • Wind Survivability: Up to 165 mph
  • IP66/67
  • ASTM B117-07A: Salt spray testing per UL50 NEMA 4x
  • EN 300 019 Environmental testing
    » Non-weather protected locations
    » Full solar exposure

REGULATORY/COMPLIANCE
• FCC/Industry of Canada
• CE Marked
• RED Directive 2014/53/EU
• EMC Directive 2014/30/EU
• Low Voltage Directive 2014/35/EU
• EN 300 328
• EN 301 489
• EN 301 893
• UL/IEC/EN 60950
• EN 60601-1-1, EN60601-1-2
• AP-365:
  • EN 50121-1
  • EN 50121-3-2
  • EN 50121-4
  • EN-50155

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

REGULATORY MODEL NUMBERS
• AP-365: APEX0365
• AP-367: APEX0367

CERTIFICATIONS
• CB Scheme Safety, cTUVus
• Wi-Fi CERTIFIED™ a,b,g,n
• Wi-Fi CERTIFIED™ ac (with wave 2 features)
• WPA, WPA2 and WPA3 – Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE)

WARRANTY
• Limited lifetime warranty

MINIMUM OPERATING SYSTEM
SOFTWARE VERSION
• Unified ArubaOS and InstantOS 6.5.2.0 and 8.2.0
• ArubaOS 10.0.0.0
<table>
<thead>
<tr>
<th>Protocol</th>
<th>Maximum transmit power (dBm) per transmit chain</th>
<th>Receiver sensitivity (dBm) per receive chain</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>802.11b 2.4 GHz</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Mbps</td>
<td>23.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>11 Mbps</td>
<td>18.0</td>
<td>-88.0</td>
</tr>
<tr>
<td><strong>802.11g 2.4 GHz</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Mbps</td>
<td>23.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>54 Mbps</td>
<td>18.0</td>
<td>-73.0</td>
</tr>
<tr>
<td><strong>802.11n HT20 2.4 GHz</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MCS0/8</td>
<td>23.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>MCS7/15</td>
<td>18.0</td>
<td>-72.0</td>
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<tr>
<td><strong>802.11n HT40 2.4 GHz</strong></td>
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<tr>
<td>MCS0/8</td>
<td>18.0</td>
<td>-88.0</td>
</tr>
<tr>
<td>MCS7/15</td>
<td>18.0</td>
<td>-69.0</td>
</tr>
<tr>
<td><strong>802.11ac VHT20 2.4 GHz</strong></td>
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<td></td>
</tr>
<tr>
<td>MCS0 Nss1 &amp; Nss2</td>
<td>23.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>MCS8 Nss1 &amp; Nss2</td>
<td>18.0</td>
<td>-67.0</td>
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<tr>
<td><strong>802.11ac VHT40 2.4 GHz</strong></td>
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<tr>
<td>MCS0 Nss1 &amp; Nss2</td>
<td>18.0</td>
<td>-88.0</td>
</tr>
<tr>
<td>MCS9 Nss1 &amp; Nss2</td>
<td>17.0</td>
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<tr>
<td><strong>802.11a VHT80 5 GHz</strong></td>
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<td></td>
</tr>
<tr>
<td>6 Mbps</td>
<td>22.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>54 Mbps</td>
<td>20.0</td>
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<tr>
<td><strong>802.11n HT20 5 GHz</strong></td>
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<tr>
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<td>22.0</td>
<td>-91.0</td>
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<tr>
<td>MCS7/15</td>
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<td><strong>802.11n HT40 5 GHz</strong></td>
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<tr>
<td>MCS0/8</td>
<td>22.0</td>
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<td>MCS7/15</td>
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<tr>
<td><strong>802.11ac VHT20 5 GHz (SU-MIMO)</strong></td>
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<td></td>
</tr>
<tr>
<td>MCS0 Nss1 &amp; Nss2</td>
<td>22.0</td>
<td>-91.0</td>
</tr>
<tr>
<td>MCS8 Nss1 &amp; Nss2</td>
<td>19.0</td>
<td>-68.0</td>
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<td><strong>802.11ac VHT40 5 GHz (SU-MIMO)</strong></td>
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<tr>
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<td>22.0</td>
<td>-87.0</td>
</tr>
<tr>
<td>MCS9 Nss1 &amp; Nss2</td>
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<td>-63.0</td>
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<tr>
<td><strong>802.11ac VHT80 5 GHz (SU-MIMO)</strong></td>
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<td>MCS0 Nss1 &amp; Nss2</td>
<td>22.0</td>
<td>-85.0</td>
</tr>
<tr>
<td>MCS9 Nss1 &amp; Nss2</td>
<td>19.0</td>
<td>-59.0</td>
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Note: please check with your country manager for regional product schedules.
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
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<td>JX963A</td>
<td>Aruba AP-365 (EG) 802.11n/ac Dual 2x2:2 Radio Integrated Omni Antenna Outdoor AP</td>
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<td>Aruba AP-365 (IL) 802.11n/ac Dual 2x2:2 Radio Integrated Omni Antenna Outdoor AP</td>
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<td>Aruba AP-367 (US) TAA 802.11n/ac Dual 2x2:2 Radio Integrated Direct Antenna Outdoor AP</td>
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For more ordering information and compatible accessories, please refer to the ordering guide.