



## ARUBA AP-60 AND AP-61 ACCESS POINTS

The Aruba AP-60 and AP-61 are single radio (dual-band 802.11a or b/g) high-performance indoor wireless access points, capable of supporting multiple functions including WLAN access, air monitoring/wireless intrusion detection and prevention, and secure enterprise mesh across the 2.4-2.5 GHz and 5 GHz RF spectrums. The Aruba AP-60 and AP-61 access points support diverse deployment options, delivering secure user-centric network services and applications in enterprise, campus and branch office environments, and remotely over public or private networks as a Remote / Mobile AP. Centrally managed from an Aruba mobility controller, the AP-60 and AP-61 empower the network administrator with unparalleled control over services, security and deployment models. The AP-60 supports external antennas through dual, detachable antenna interfaces and the AP-61 supports dual, integral, high-performance omni-directional multi-band antennas.



### APPLICATION

- High-density enterprise campus and branch office. Remote office, WLAN access and air monitoring. Indoor applications.

### OPERATING MODE

- Multi-service 802.11a/b/g WLAN, 802.11a/b/g air monitor, hybrid combination of WLAN/AM and Remote AP

### RADIOS

- Single Radio - software configurable to 802.11a or 802.11b/g

### RF MANAGEMENT

- Automatic transmit power and channel management control with auto coverage hole correction via ARM

### MOBILITY SERVICE DELIVERY

- Virtual AP Services:
  - Supports up to 16 SSIDs per access point
  - Multiple captive portals per SSID
  - Supports any combination of encryption/authentication types per SSID
  - Session level QoS
  - VLAN load balancing
  - Guest account creation/management
- Voice Services:
  - Wireless Multi-media QoS (WMM)
  - 802.1p and DSCP to WMM AC tagging
  - Upstream traffic prioritization
  - Call Admission Control (CAC)
  - Traffic classification/session bandwidth reservation (T-SPEC/TCLAS)
  - Unscheduled power save delivery (U-APSD)
  - Stateful session awareness (soft voice client QoS):
    - SIP
    - NOE
    - Cisco Skinny
    - Vocera
  - Spectralink Voice Prioritization (SVP)
  - Support for proxy-ARP and multicast filtering
  - Battery Boost
  - Priority queuing
  - Voice-aware scanning support in ARM

### 802.11A RADIO SPECIFICATIONS

- Operating Frequency: 5.150 GHz – 5.950 GHz\*
- Available Channels: Mobility controller-managed, dependent upon configured regulatory domain
- Modulation: Orthogonal Frequency Division Multiplexing (OFDM)
- Transmit Power: Configurable in increments of 0.5 dBm
- Association Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 with automatic fallback

### 802.11B RADIO SPECIFICATIONS

- Operating Frequency: 2.4 GHz – 2.5 GHz
- Available Channels: Mobility controller-managed, dependent upon configured regulatory domain
- Modulation: Direct-Sequence Spread-Spectrum (DSSS)
- Transmit Power: Configurable in increments of 0.5 dBm
- Association Rates (Mbps): 11, 5.5, 2, 1 with automatic fallback

### 802.11G RADIO SPECIFICATIONS

- Operating Frequency: 2.4 GHz – 2.5 GHz
- Available Channels: Mobility controller-managed, dependent upon configured regulatory domain
- Modulation: Orthogonal Frequency Division Multiplexing (OFDM)
- Transmit Power: Configurable in increments of 0.5dBm
- Association Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 with automatic fallback

### AVAILABLE CHANNELS 802.11A/B/G

- Centrally managed by mobility controller, based on configured regulatory domain

### ANTENNA

- AP-60: Dual, RP-SMA interfaces for external antenna support (supports spatial diversity)
- AP-61: Integral, dual, omni-directional multi-band dipole (supports spatial diversity),
- Gain:
  - 2.4 GHz-2.5 GHz / 2.8 dBi
  - 5.150 GHz-5.350 GHz / 3.9 dBi
  - 5.950 GHz / 4.0 dBi

\* Mobility controller-managed, dependent upon configured regulatory domain

# ARUBA AP-60 AND AP-61 ACCESS POINT

## INTERFACES

- Network:
  - 1 x 10/100Base-T Ethernet (RJ45) , Auto-sensing link speed and MDI/MDX
  - 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE)
  - Serial-over-Ethernet (SoE)
- Power:
  - 1 x 5 V DC up to 1.5 A (for external AC adapter power)
- Antenna: (AP-60 only)
  - 2 x RP-SMA multi-band antenna interfaces

## POWER

- 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE)
- 5 V DC for external AC supplied power (adapter sold separately)

## MOUNTING

- Standard:
  - Desk-top (stand)
  - Wall
- Optional mounting kit:
  - Secure wall
  - Ceiling tile rail (15/16")
- Security:
  - Security screw
  - Kensington security lock point

## MECHANICAL

### AP-60

- Dimensions/Weight:
  - 6.25" x 3.9" x 1.1"
  - 159 mm x 99 mm x 28 mm
  - 0.5 lbs/0.23 Kgs
- Dimensions/Weight (Shipping):
  - 11.3" x 5.6" x 1.6"
  - 287 mm x 142 mm x 41 mm
  - 1.0 lbs/0.45 Kgs

### AP-61

- Dimensions/Weight:
  - 8.5" x 3.9" x 1.1"
  - 216 mm x 99 mm x 28 mm
  - 0.6 lbs/0.27 Kgs
- Dimensions/Weight (Shipping):
  - 11.3" x 5.6" x 1.6"
  - 287 mm x 142 mm x 41 mm
  - 1.1 lbs/0.5 Kgs

## ENVIRONMENTAL

- Operating:
  - Temp: 0° to 50° C (32° to 122° F)
  - Humidity: 5 to 95% non-condensing
- Storage:
  - Temp: 0° to 70° C (32° F to 158° F)

## REGULATORY

- FCC Part 15
- Industry of Canada
- VCCI
- MIC
- PSE mark – adapters/cords
- Anatel
- NOM/COFETEL
- SRRC
- GS Mark
- CE Mark
- R&TTE Directive - 1995/5/EC
- Low Voltage Directive - 72/23/EEC
- EN 300 328
- EN 301 893
- EN 301 489
- UL/IEC/EN 60950-1:2001 CB, cULus
- AS/NZS 4268, 4771
- Medical EN 60601-1, -2
- UL2043 Listed

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

## CERTIFICATIONS

- Wi-Fi Certified: 802.11a/b/g

## WARRANTY

- 90 days parts/labor

## PART NUMBERS

- Access Point:
  - AP-60
  - AP-61
- Accessories:
  - AP-60-MNT (mount kit)
  - AP-ANT-1 to 13 (detachable antennas) AP-60 only
- AC Power Adapters:
  - AP-AC-NA (North America)
  - AP-AC-JPN (Japan)
  - AP-AC-UK (UK)
  - AP-AC-EC (Central Europe)
  - AP-AC-IT (Italy)



[WWW.ARUBANETWORKS.COM](http://WWW.ARUBANETWORKS.COM)

1322 Crossman Avenue, Sunnyvale, CA 94089 | Tel. +1 408.227.4500 | Fax. +1 408.227.4550