

The Aruba AP 60 and 61

Ideal for dense AP deployments, the Aruba AP 60 and 61 access points are dual-function, single radio 802.11a or b/g access points designed for use only with Aruba mobility controllers. Each AP provides dedicated or shared air monitoring, giving administrators a full view of and control over the 2.4 and 5 GHz RF spectrums and eliminating the need for a discrete network of RF sensors. The Aruba AP 60 supports dual-band detachable antennas while the AP 61 provides built-in 90-degree rotational dual omni-directional high-gain antennas.



Antennas

- AP 60: Dual, diversity supporting reverse polarity SMA (RP-SMA) detachable antenna interfaces suitable for single or tri-band detachable antennas of various pattern types and gains.
- AP 61: Integral, diversity supporting dual, tri-band omni-directional high gain antennas with 90 degree movement
 - AP 61 Integral antenna gain
 - ~ 2.4–2.5 GHz / 2.8dBi
 - ~ 5.150–5.350 GHz / 3.9dBi
 - ~ 5.6 GHz / 4 dBi

Radio Specs - 802.11a

- Frequency Bands Supported
 - 5.150 ~ 5.250 GHz (low band), country specific
 - 5.250 ~ 5.350 GHz (mid band), country specific
 - 5.470 ~ 5.725 GHz (Europe), country specific
 - 5.725 ~ 5.825/5.850 GHz (high band), country specific
- Radio technology: orthogonal frequency division multiplexing (OFDM)
- Modulation type – BPSK, QPSK, 16-QAM, 64-QAM
- Transmit power – configurable by system administrator/professional installer
- MAC – CSMA/CA with ACK
- Operating channels:
 - US, Canada – up to 13 (indoor/outdoor dependent)
 - ETSI - up to 19
 - Japan – up to 8 (indoor only)
- Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel
- Multi-mode radio band 802.11a or 802.11b/g selectable via software

Radio Specs - 802.11b

- **Frequency band**
 - 2.400 ~ 2.4835/2.497 GHz (Global), channels country specific
- Radio technology – direct sequence spread spectrum (DSSS)
- Modulation type – CCK, BPSK, QPSK
- Transmit power – configurable by system administrator
- MAC – CSMA/CA with ACK
- Operating channels:
 - US & Canada: 11
 - ETSI: 13
 - Japan: 14
- Data rates: 1, 2, 5.5, 11 Mbps per channel
- Multi-mode radio band 802.11a or 802.11b/g selectable via software

Radio Specs - 802.11g

- Frequency band
 - 2.400 ~ 2.4835 GHz (Global), channels country specific
- Radio technology – OFDM
- Modulation type – CCK, BPSK, QPSK, 16-QAM, 64-QAM
- Transmit power – configurable by system administrator
- MAC – CSMA/CA with ACK
- Operating channels:
 - US & Canada: 11
 - ETSI: 13
 - Japan: 14
- Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel
- Multi-mode radio band 802.11a or 802.11b/g selectable via software

Complete country list available at:
<http://www.arubanetworks.com/products/aps/certification>

Manageability

- Management of all 802.11 parameters
- Network-wide AP management via:
 - CLI
 - WEB GUI
 - SNMPv3
- Access point profiles
- Management by:
 - Geographical location
 - BSSID
 - Radio type
- Encryption support (AP and Switch)
 - 40-bit / 64-bit / 128-bit / 152-bit WEP, TKIP, AES

AP60 Physical (H/W/D)

- 159 x 99 x 31mm (6.26 x 3.90 x 1.22 in.)
- Weight 198 grams (12.2 oz.)

AP61 Physical (H/W/D)

- 216 x 99 x 31mm (8.50 x 3.90 x 1.22 in.)
- Weight 255 grams (13.6 oz.)

Interfaces (Electrical)

- 1 x 10/100 Base-TX auto-sensing Ethernet RJ-45 interface
 - Auto-sensing MDI/MDX
 - Serial and power over Ethernet – 48V DC / 200mA power over Ethernet (802.3af compliant)
- 1 x 5V DC Power Interface

Interfaces (Mechanical)

- Standard Kensington MicroSaver security cable interface (not supplied)
- Wall and ceiling mount kit interface (optional – part number AP-60-MNT)

Visual Indicators (LEDS)

- (Ready) Power
- (Ethernet) link status / activity
- (Mode) 802.11a and b/g AP / air monitor mode

Power Requirements

- 5V DC / 2A supplied externally via optional – part number AC adapter kit
- 48V DC / 200mA power over Ethernet (802.3af compliant)
- External AC power or POE

Environmental

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

Standards

- Ethernet IEEE 802.3 / IEEE 802.3u
- Power-over-Ethernet IEEE 802.3af
- Wireless IEEE 802.11a/b/g

Radio Approvals

- FCC DOC Part 15 Class B (digital portion)
- FCC Part 15 Subpart C 15.247
- FCC Part 15 Subpart E 15.407
- ICES-003 Class B
- RSS 210 (Canada)
- VCCI Class B (Japan)
- Telec 2.4, Channel 14 and 5 GHz approved (Japan)

- CE marked with NB letter of opinion for RTTE
 - ETS 300 328 2.4 GHz
 - ETS 301 893 5.4 GHz
 - ETS 301 489 EMC
- MIC Korea
- SRRC (China)
- AS/NZS 3548 Class B
- AS/NZS4771 (C-tick)

Safety Approvals

- cULus listed
- PSE Mark (AC Power Supply)
- IEC 60950 CB certificate and report
- UL Listed (UL60950)
- UL Listed (Canadian Electrical Code/CSA 22.2 No. 60950)
- EN60950 / IEC60950
- UL Listed (UL2043)
- EN 60601-1-1 & EN 60601-1-2: (MD compliance)

Warranty

- 1 year limited parts/labor*

Part Numbers

AP-60

Aruba 60 Access Point 802.11a or b/g

AP-61

Aruba 61 Access Point 802.11a or b/g

AP-60-MNT

Aruba 60 Access Point Wall / Ceiling Mounting Kit
AP-60 Series (AC power adapter country kit variants)
AP-AC-NA (North America)
AP-AC-JPN (Japan)
AP-AC-UK (United Kingdom)
AP-AC-EC (Central Europe, Schuko)
AP-AC-IT (Italy)

Antennas

Aruba offers a wide variety of antenna types suitable for use with the AP 60. Please contact your local sales representative for details.

