



ARUBA AP-41 ACCESS POINT

The Aruba AP-41 is a single radio (dual-band 802.11 a or b/g), enterprise-class indoor wireless access point, capable of supporting multiple functions including WLAN access and air monitoring/wireless intrusion detection and prevention across the 2.4-2.5 GHz and 5 GHz RF spectrums. The AP-41 access point delivers secure user-centric network services and applications in small enterprise and remote office environments, as well as for home office workers and telecommuters. Centrally managed from an Aruba mobility controller, the AP-41 provides the network administrator with unparalleled control over services and security. The AP-41 supports 802.3af compliant PoE and has a single integral, omni-directional, multi-band antenna.



APPLICATION

- Small enterprise remote office, home office, remote office, and telecommuter. Indoor applications.

OPERATING MODE

- Multi-service 802.11a/b/g WLAN, 802.11a/b/g Air Monitor, hybrid combination of WLAN AP and Air Monitor

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 Adaptive Radio Management (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 0.5dBm
- 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: 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

AVAILABLE CHANNELS 802.11A/B/G

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

ANTENNA

- Type: Integral, single, omni-directional, multi-band dipole
- Gain:
 - 2.4 GHz-2.5 GHz / 2.11 dBi
 - 5.350 GHz / 2.07 dBi

* Mobility controller managed, dependent upon configured regulatory domain.

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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)
- Other:
 - 1 x reset button (resets device to factory defaults)

POWER

- 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE)

MOUNTING

- Standard:
 - Desk-top
 - Wall
- Optional mounting kit:
 - Ceiling tile rail (15/16" & 9/16")

MECHANICAL

- Dimensions/Weight:
 - 7.3" x 4.9" x 1.3"
 - 185 mm x 124 mm x 33 mm
 - 0.65 lbs/0.3 Kgs
- Dimensions/Weight (Shipping):
 - 9.25" x 6.38" x 4.13"
 - 255 mm x 162 mm x 105 mm
 - 1.1 lbs/0.5 Kgs

ENVIRONMENTAL

- Operating:
 - Temp: 0° to 50° C (32° to 12° F)
 - Humidity: 5 to 95% non-condensing
- Storage:
 - Temp: 0° to 70° C (32° to 158° F)

REGULATORY

- FCC Part 15
- Industry of Canada
- VCCI
- MIC
- Anatel
- NOM/COFETEL
- SRRRC
- 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

(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-41
- Accessories:
 - AP-41-MNT (mount kit)



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