



ARUBA AP-70 ACCESS POINT

The Aruba AP-70 is a dual-radio (dual-band concurrent 802.11a plus b/g) high-performance indoor wireless access point capable of supporting a wide range of 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 AP-70 access point supports diverse deployment options, delivering secure user-centric network services and applications in enterprise and campus environments, branch offices, retail spaces, and to remote locations over public or private networks as an advanced featured Remote AP. Centrally managed from an Aruba mobility controller, the AP-70 empowers the network administrator with unparalleled control over services, security and deployment models. The AP-70 supports unparalleled interface flexibility in an access point, supporting dual 10/100 Ethernet Interfaces, redundant 802.3af PoE sourcing, and a USB 2.0 interface for service extension. The AP-70 features onboard dual, integral, high-performance omni-directional multi-band antennas and also supports external antennas through quad, detachable antenna interfaces.



APPLICATION

- High-performance enterprise and campuses, branch offices and retail spaces where flexibility in interfaces is required. Remote access and secure-jack applications. 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, all with secure jack.

RADIOS

- Dual radio - software configurable to 802.11a and 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 32 SSIDs per access point
 - Multiple captive portals per SSID
 - Support 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 0.5 dBm
- 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

* Mobility controller-managed, dependent upon configured regulatory domain

ARUBA AP-70 ACCESS POINT

ANTENNA

- Integral, dual, omni-directional multi-band dipole (supports spatial diversity)
 - Gain:
 - 2.4 GHz-2.5 GHz / 4.46 dBi
 - 5.150 GHz / 7.21 dBi
 - 5.350 GHz / 6.49 dBi
 - 5.850 GHz / 5.23 dBi
- Quad, RP-SMA interfaces (2 per radio) for external antennas

INTERFACES

- Network:
 - 2 x 10/100Base-T Ethernet (RJ45) , Auto-sensing link speed and MDI/MDX
 - 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE) (load sharing over both ports)
 - Serial-over-Ethernet (SoE) (primary port)
- Power:
 - 1 x 5 V DC up to 2.5 A (for external AC adapter power)
- Antenna:
 - 4 x RP-SMA antenna interfaces (2 per radio)

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
 - Wall
- Optional mounting kit:
 - Secure wall
 - Ceiling tile rail (15/16i)
- Security:
 - Security screw
 - Kensington security lock point

MECHANICAL

- Dimensions/Weight:
- Antenna Stowed:
 - 7.4" x 6.8" x 1.4"
 - 188 mm x 173 mm x 36 mm
 - 1.15 lbs/0.52 Kgs
- Antenna Extended 180°:
 - 7.4" x 11.7" x 1.4"
 - 188 mm x 295 mm x 36 mm
- Dimensions/Weight (Shipping):
 - 10.1" x 10.4" x 4.1"
 - 257 mm x 264 mm x 104 mm
 - 2.0 lbs/0.91 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° 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-70
- Accessories:
 - AP-70-MNT (mount kit)
 - AP-ANT-1 to 13 (detachable antennas)
- 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)



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