



## ARUBA AP-65 ACCESS POINT

The Aruba AP-65 is a dual radio (dual-band concurrent 802.11a plus b/g) high-performance indoor wireless access point 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 AP-65 access point supports diverse deployment options, delivering secure enterprise mobility services and applications for high-performance enterprise and campus environments, branch offices and retail spaces, as well as deployments over public and private networks as a Remote Access Point. Centrally managed from an Aruba mobility controller, the AP-65 empowers the network administrator with unparalleled control over services, security and deployment models. The AP-65 supports dual, integral, high-performance omni-directional multi-band antennas. Its discretely packaged and lightweight design allows it to blend into an enterprise or retail environment with ease.



### APPLICATION

- High-performance enterprise campus, branch office, home office, mobile worker. Ideal for aesthetically discrete deployments. 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

### RF MANAGEMENT

- Automatic transmit power and channel management control with auto coverage hole correction via Adaptive Radio Management (ARM)

### WIRELESS RADIO SPECIFICATIONS

- AP type: Dual-radio, dual-band
- Supported Frequency Bands (country-specific restrictions apply):
  - 2.400 - 2.4835 GHz
  - 5.150 - 5.250 GHz
  - 5.250 - 5.350 GHz
  - 5.470 - 5.725 GHz
  - 5.725 - 5.850 GHz
- Available Channels: Controller-managed, dependent upon regulatory domain
- Modulations:
  - 802.11b: Direct-Sequence Spread-Spectrum (DSSS)
  - 802.11a/g: Orthogonal Frequency Division Multiplexing (OFDM)
- Transmit Power: Configurable in increments of 0.5 dBm
- Association Rates (Mbps):
  - 802.11b: 1, 2, 5.5, 11 with automatic fallback
  - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 with automatic fallback

### ANTENNA

- Integral, dual, omni-directional multi-band dipole (supports spatial diversity)
  - Gain:
    - 2.4 GHz-2.5 GHz / 3.3 dBi
    - 5.150 GHz-5.250 GHz / 3.19 dBi
    - 5.350 GHz / 3.53 dBi
    - 5.470 GHz / 3.69 dBi
    - 5.875 GHz / 3.90 dBi

### 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 2 A (for external AC adapter power)

### POWER

- 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE)
- 5 V DC for external AC supplied power (adapter sold separately)
- Maximum power consumption: 10 Watts

### MOUNTING

- Standard:
  - Desk-top (stand)
  - Wall
  - Ceiling tile rail (15/16")
- Optional mounting kit:
  - Secure wall
  - Solid wall stand-off
  - Ceiling tile rail (15/16" & 9/16" recessed or non-recessed)
- Security:
  - Security screw
  - Kensington security lock point

### MECHANICAL

- Dimensions/Weight:
  - 3.9" x 3.9" x 1.4"
  - 99 mm x 99 mm x 36 mm
  - 0.4 lbs/0.18 Kgs
- Dimensions/Weight (Shipping):
  - 5.8" x 5.1" x 1.9"
  - 147 mm x 130 mm x 48 mm
  - 0.7 lbs/0.32 Kgs

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## ENVIRONMENTAL

- Operating:
  - Temp: 0° to 50° C (32° to 122° F)
  - Humidity: 5 to 95% non-condensing
- Storage and Transportation Temperature Range:
  - Temp: -40° to +70° C (-40° 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
- FIPS 140-2 (when operated in FIPS mode)

## WARRANTY

- Limited lifetime warranty



## RF PERFORMANCE TABLE

	Max TX power (dBm)	RX Sensitivity (dBm)
<b>802.11b 2.4GHz</b>		
1Mbps	+20.0	-92.0
2Mbps	+20.0	-91.0
5.5Mbps	+20.0	-89.0
11Mbps	+20.0	-87.0
<b>802.11g 2.4GHz</b>		
6Mbps	+20.0	-91.0
9Mbps	+20.0	-90.0
12Mbps	+20.0	-89.0
18Mbps	+20.0	-86.0
24Mbps	+20.0	-83.0
36Mbps	+19.0	-80.0
48Mbps	+18.0	-75.0
54Mbps	+17.0	-73.0
<b>802.11a 5GHz</b>		
6Mbps	+19.0	-90.0
9Mbps	+19.0	-90.0
12Mbps	+19.0	-89.0
18Mbps	+19.0	-88.0
24Mbps	+19.0	-82.0
36Mbps	+17.0	-79.0
48Mbps	+15.0	-74.0
54Mbps	+13.0	-72.0

Maximum capability of the hardware provided. Maximum transmit power will be limited by local regulatory settings.

## ORDERING INFORMATION

Part number	Description
AP-65	Aruba 65 Wireless Access Point
AP-AC-NA-2	AC Power Adapter Kit - North America
AP-AC-JPN-2	AC Power Adapter Kit - Japan
AP-AC-UK-2	AC Power Adapter Kit - United Kingdom
AP-AC-IT-2	AC Power Adapter Kit - Italy
AP-AC-EC-2	AC Power Adapter Kit - Schuko
AP-AC-AUS-2	AC Power Adapter Kit - Australia
AP-AC-LA-2	AC Power Adapter Kit - North America 2 Prong Version
AP-AC-CHN-2	AC Power Adapter Kit - China
AP-AC-IN-2	AC Power Adapter Kit - India
AP-AC-KOR-2	AC Power Adapter Kit - Korea
AP-65-MNT	Aruba 65 Wireless Access Point Wall / Ceiling / Desktop Mounting Kit
AP-65-MNT-WJ	Aruba 65 Wireless Access Point Wall-Jack Kit

