



ARUBA RAP-2WG REMOTE ACCESS POINT

The Aruba RAP-2WG is a single radio 802.11b/g, enterprise-class indoor remote access point, capable of supporting multiple functions including wired and wireless access and air monitoring/wireless intrusion detection and prevention across the 2.4 GHz spectrum. The RAP-2WG remote access point delivers secure user-centric network services and applications in remote branch offices as well as for home office workers and telecommuters. Centrally managed from an Aruba Controller, the RAP-2WG provides the network administrator with unparalleled control over services and security. The RAP-2WG supports authenticated wired and wireless access, as well as policy based forwarding mechanisms to allow access to centralized and local resources.



APPLICATION

- Remote office, home office, retail branch, remote learning, and fixed telecommuter. Indoor applications.

WIRED OPERATING MODES

- 10/100 Ethernet
- User authentication - 802.1X, Captive Portal, Mac Authentication, or Open Access
- Policy based forwarding for local resource access

WIRELESS OPERATING MODES

- 802.11b/g WLAN or 802.11b/g Air Monitor

RF MANAGEMENT

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

WIRELESS RADIO SPECIFICATIONS

- AP type: Single-radio, single-band
- Supported Frequency Bands (country-specific restrictions apply):
 - 2.400 - 2.4835 GHz
- Available Channels: Controller-managed, dependent upon regulatory domain
- Modulations:
 - 802.11b: Direct-Sequence Spread-Spectrum (DSSS)
 - 802.11g: 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
 - 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 with automatic fallback

ANTENNA

- Type: Omni-directional, detachable
- Gain: 2.4 GHz-2.5 GHz / 1.5 dBi (nominal)

INTERFACES

- Network:
 - 2 x 10/100Base-T Ethernet (RJ45), auto-sensing link speed and MDI/MDX
- Antenna:
 - 1 x Antenna port RP-SMA
- Power:
 - 1 x DC power connector
- Other:
 - 1 x reset button (resets device to factory defaults)

POWER

- Adapter (included):
 - AC Input: 100-240V/0.3A
 - DC Output: 12V/1A
- Maximum Power Consumption: 6.5W

MOUNTING

- Desk-top
- Wall

MECHANICAL

- Dimensions/Weight (excluding antenna):
 - 2.8" x 3.9" x 1.0" (70 mm x 100 mm x 26 mm)
 - 0.2 pounds (90g)
- Dimensions/Weight (Shipping):
 - 6.5" x 10.2" x 2.4" (165 mm x 260 mm x 60 mm)
 - 0.88 pounds (400g)

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ENVIRONMENTAL

- Operating:
 - Temp: 0°C to +40°C (+32°F to +104°F)
 - Humidity: 5% to 95% (RH), non-condensing
- Storage:
 - Temp: -40°C to +70°C (-40°F to +158°F)
 - Humidity: 5% to 95% (RH), non-condensing

REGULATORY

- FCC Part 15
- Industry Canada
- CE Mark
- UL/IEC/EN 60950-1:2001
- CB, cULus

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

WARRANTY

- 1 Year parts/labor

ORDERING INFORMATION

Part number	Description
RAP-2WG-US	Aruba RAP-2WG with AC Power Adapter Kit - North America
RAP-2WG-EU	Aruba RAP-2WG with AC Power Adapter Kit - European Union
RAP-2WG	Aruba RAP-2WG with AC Power Adapter Kit - International

RF PERFORMANCE TABLE

	Max TX power (dBm)	RX Sensitivity (dBm)
802.11b 2.4GHz		
1Mbps	+18.0	-92.0
2Mbps	+18.0	-91.0
5.5Mbps	+18.0	-89.0
11Mbps	+18.0	-86.0
802.11g 2.4GHz		
6Mbps	+17.0	-89.0
9Mbps	+17.0	-88.0
12Mbps	+17.0	-86.0
18Mbps	+16.0	-84.0
24Mbps	+16.0	-81.0
36Mbps	+15.0	-77.0
48Mbps	+14.0	-73.0
54Mbps	+14.0	-70.0

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



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