



ARUBA AP-65WB WALL BOX ACCESS POINT

The Aruba AP-65WB 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-65WB is built with a unique housing designed to fit inside a standard US double-gang electrical wall box. The AP-65WB is ideal for hotels, student housing, hospitals, and other areas where unobtrusive mounting is required. Builders can install the AP-65WB throughout new-construction office buildings, preparing them for a future wireless deployment. Centrally managed from an Aruba controller, the AP-65WB empowers the network administrator with unparalleled control over services, security and deployment models.



APPLICATION

- High-performance enterprise campus, branch office, hotels and hospitality, student housing, hospitals, and anywhere aesthetically discrete deployments are desired. For indoor applications only.
- Supports Remote Access Point and Secure Enterprise Mesh

OPERATING MODE

- Multi-service 802.11a+b/g WLAN, 802.11a+b/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: 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

POWER

- 48 V DC IEEE compliant 802.3af Power-over-Ethernet (PoE)
- Maximum power consumption: 10 Watts

MOUNTING

- Wallbox compatibility:
 - Carlon® Zip Box® Blue 2 gang models or equivalent
 - Carlon® Flex-Plus® Blue 2 gang models or equivalent
 - Thomas & Betts Steel City® 4 11/16" Square Boxes, 2 1/8" deep or equivalent (requires adapter plate, included)
- Security:
 - Security screw

MECHANICAL

- Dimensions/Weight (without adapter plate):
 - 4.53" x 4.53" x 3.29"
 - 115mm x 115mm x 84mm
 - 7.2oz / 0.2 Kgs
- Dimensions/Weight (Shipping):
 - 8.85" x 8.07" x 5.31"
 - 225mm x 205mm x 135 mm
 - 1.44lbs / 0.65 Kgs

ENVIRONMENTAL

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

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REGULATORY

- FCC Part 15
- UL/EN 60950-1 cTUVus

CERTIFICATIONS

- Wi-Fi Certified 802.11a/b/g

WARRANTY

- Limited lifetime warranty



ORDERING INFORMATION

Part number	Description
AP-65WB	Aruba AP-65WB Wireless Access Point

RF PERFORMANCE TABLE

	Max TX power (dBm)	RX Sensitivity (dBm)
802.11b 2.4GHz		
1Mbps	+20.0	-92.0
2Mbps	+20.0	-91.0
5.5Mbps	+20.0	-89.0
11Mbps	+20.0	-87.0
802.11g 2.4GHz		
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
802.11a 5GHz		
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.



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