

The Aruba AP 41

Aruba 41 is a single radio, multi-band (802.11 a/b/g) thin access point. Aruba 41 has an internal antenna and can be deployed on wall jacks in the user space. Aruba 41 is powered by standards compliant PoE (Power over Ethernet). Aruba 41 offers a very favorable price-feature comparison and is ideal for dense deployments in user space. Aruba 41 is also well suited for Remote AP deployments in the home office.



Network Configuration

- Wireless Access Point (IEEE 802.11a or b/g)
- Air Monitor (IEEE 802.11a/b/g)

Antennas

- Single, integral, tri-band, omni-directional antenna with articulating movement. Non-detachable.
- Antenna Specifications
 - Gain
 - 2.4-2.5 GHz / 2.11 dBi
 - 4.900 GHz ~ 5.850 GHz / 2.07 dBi
 - VSWR 1.5:1

Radio Specs 5GHZ

- IEEE 802.11a
- Frequency Bands Supported
 - 5.150 ~ 5.250GHz (low band), country specific
 - 5.250 ~ 5.350GHz (mid band), country specific
 - 5.470 ~ 5.725GHz (Europe), country specific
 - 5.725 ~ 5.825GHz (high band), country specific
 - Radio technology: orthogonal frequency division multiplexing (OFDM)
 - Modulation type – BPSK, QPSK, 16-QAM, 64-QAM
 - Transmit power – configurable by system administrator/professional installer
 - MAC – CSMA/CA with ACK
 - Operating channels:
 - US, Canada - 12
 - ETSI - up to 19
 - Japan - 4
 - Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel
 - Multi-mode radio band 802.11a or 802.11b/g selectable via software

Radio Specs 2.4GHZ

- IEEE 802.11b
- Frequency Bands Supported
 - 2.400 ~ 2.4835GHz (Global), channels country specific
 - Radio technology – direct sequence spread spectrum (DSSS)
 - Modulation type – CCK, BPSK, QPSK
 - Transmit power – configurable by system administrator
 - MAC – CSMA/CA with ACK

- Operating channels:
 - US, Canada - 11
 - ETSI - 13
 - Japan 13
 - Data rates: 1, 2, 5.5, 11 Mbps per channel
 - Multi-mode radio band 802.11a or 802.11b/g selectable via software IEEE 802.11g
 - Frequency Bands Supported
 - 2.400 ~ 2.4835GHz (Global), channels country specific
 - Radio technology: orthogonal frequency division multiplexing (OFDM)
 - Modulation type – BPSK, QPSK, 16-QAM, 64-QAM
 - Transmit power – configurable by system administrator
 - MAC – CSMA/CA with ACK
 - Operating channels:
 - US, Canada - 11
 - ETSI - 13
 - Japan 13
 - Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel
 - Multi-mode radio band 802.11a or 802.11b/g selectable via software
- Complete country list available at:*
<http://www.arubanetworks.com/products/aps/certification>

Manageability

- Management of all 802.11 parameters as AP
- Network-wide AP management via:
 - CLI
 - WEB GUI
 - SNMP
- Access point profiles
- Management by:
 - Geographical location
 - BSSID
 - Radio type
- Encryption support (AP and Switch)
 - 40-bit / 64-bit / 128-bit / 152-bit WEP, TKIP, AES, WPA, WPA2

Interfaces (Electrical)

- 1 x 10/100 Base-TX (RJ-45) auto-sensing Ethernet interface:
 - Auto-sensing MDI/MDX
 - PoE 48VDC / 200mA power over Ethernet (802.3af compliant)
- 1 x Reset Button (restores to factory default configuration)

Interfaces (Mechanical)

- Wall mount lugs

Visual Indicators (LEDS)

- (Ready) Power on/off/booting
- (ENET) Link status / activity
- (WLAN A) IEEE 802.11a status
- (WLAN G) IEEE 802.11b/g status

Power Requirements

- 48V DC / 200mA power-over-Ethernet (802.3af compliant)

Device Dimensions (H/W/D)

- (Antenna stowed) 107 x 184 x 32mm (4.21 x 7.24x 1.26 in.)
- Weight 0.45Kgs/0.99Lbs

Environmental

- Temperature
 - Operating: 0 to 50 °C (32 to 122 °F)
 - Storage: -10 to 70 °C (14 to 158 °F)
- Humidity 5% to 95% (non-condensing)
- Altitude - 8,000ft @ 28°C (82.4°F)

Mounting Options

- Wall, ceiling or cube mountable

Standards

- Ethernet IEEE 802.3 / IEEE 802.3u
- Wireless IEEE 802.11a/b/g
- IEEE 802.3af

Certifications

- IEC 60950 CB certificate and report
- FCC DOC Part 15 Class B (digital portion)
- FCC Part 15 Subpart C 15.247
- FCC Part 15 Subpart E 15.407
- ICES-003 Class B

- RSS 210 (Canada)
- VCCI Class B (Japan)
- Telec 2.4, Channel 14 and 5GHz approved (Japan)
- CE marked with NB letter of opinion for RTTE
 - ETS 300 328 2.4 GHz
 - ETS 301 893 5.4 GHz
 - ETS 301 489 EMC
- MIC Korea
- SRRC (China)
- AS/NZS 3548 Class B
- AS/NZS4771 (C-tick)

Safety

- UL Listed (UL60950)
- UL Listed (Canadian Electrical Code/CSA 22.2 No. 60950)
- EN60950 / IEC60950
- EN 60601-1-2: 2001 (MD compliance)

Warranty

- 90 days parts/labor*

Part Numbers

AP-41
Aruba 41 802.11a or b/g Wireless Access Point

