The Aruba RAP-108 and RAP-109 are dual-radio, dual-band remote access points that support the IEEE 802.11n standard for high-performance WLAN. These access points use MIMO (Multiple-input, Multiple-output) technology and other high-throughput mode techniques to deliver high-performance, 802.11n 2.4 GHz and 5 GHz functionality while simultaneously supporting existing 802.11a/b wireless services.

The RAP-108/RAP-109 ships with Aruba Instant software. Therefore, out of the box, the RAP-108/RAP-109 will operate as a Virtual Controller (VC) or an Instant AP. However, the RAP-108/RAP-109 can be converted to operate as a Remote AP (RAP). For information about the IAP to RAP conversion, see RAP Conversion.

The RAP-108/RAP-109 Series LED Meanings (Continued)

<table>
<thead>
<tr>
<th>LED</th>
<th>Color/State</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENET1</td>
<td>Off</td>
<td>No power to AP</td>
</tr>
<tr>
<td></td>
<td>Red steady</td>
<td>System initializing</td>
</tr>
<tr>
<td></td>
<td>Green flashing</td>
<td>Device booting, not ready</td>
</tr>
<tr>
<td></td>
<td>Green steady</td>
<td>Device ready</td>
</tr>
</tbody>
</table>

Installing the AP

Tabletop Mounting

The RAP-108/RAP-109 is shipped with a stand to use on flat (i.e. table top) surfaces. Place the RAP-108/RAP-109 in the stand (see Figure 3) and place the stand on a flat, level surface.

To attach the RAP to the stand:
1. Align the center peg of the stand with recessed hole on the unit.
2. Align the mounting posts on the back of the AP with corresponding openings on the stand.
3. Rotate the AP clockwise until it clicks into place.

Connecting the Required Cables

The RAP-108/RAP-109 must be connected to a network device that has access to the Internet, such as a router or modem. To complete the installation of the RAP-108/RAP-109:
1. Connect one end of the provided RJ-45 cable to port E0 on the RAP-108/RAP-109.
2. Connect the other end of the RJ-45 cable to a free RJ-45 port on your modem or router.
3. Attach the provided power adapter to the DC IN port on the RAP-108/RAP-109.
4. Connect the other end of the power adapter to a power outlet.

Verifying Successful Installation

Once the RAP-108/RAP-109’s PWR LED has come up, the device will take 2 to 3 minutes to complete the boot cycle. Once the boot cycle is complete, you can connect to your company or corporate network.

RAP Conversion

If your network administrator has instructed you to convert the RAP-108/RAP-109 to work in RAP mode, follow the process below to complete the RAP conversion:
2. Connect to Instant SSID.
3. Log in to the RAP-108/RAP-109 by navigating to https://<RAP-108/RAP-109 IP address>/ and login to the Instant WebUI. The default username is admin and the default password is admin. See the included Aruba Instant Quick Start Guide for more information.
4. Navigate to the Maintenance tab in the top right.
5. Click on the Convert tab.
Product Specifications

Electrical
- Ethernet: 1 x 10/100Base-T auto-sensing Ethernet RJ-45 Interface
- 1 x 10/100Base-T auto-sensing Ethernet RJ-45 Interface
- IEEE 802.3, IEEE 802.3ab (100Base-T)
- Power over Ethernet (IEEE 802.3af and 802.3at compliant), 56V DC ± 35mA
- Power: 12 VDC power interface, supports powering through an AC-to-DC power adapter

It is a power adapter other than the one provided by Aruba Networks is used in the US or Canada, it should be cULus (mUL) labeled, with an output rated 12 VDC, minimum 1.25A, marked “LPS” or “Class 2.” and suitable for plugging into a standard power receptacle in the US and Canada.

For additional specifications on this product, please refer to the data sheet. The data sheet can be found at www.arubanetworks.com.

Proper Disposal of Aruba Equipment
For the most current information about Global Environmental Compliance and Aruba products, see our website at www.arubanetworks.com.

Waste of Electrical and Electronic Equipment

Aruba products at end of life are subject to separate collection and treatment in the EU Member States, Norway, and Switzerland and therefore are marked with the symbol shown at the left (crossed-out wheelie bin). The treatment applied at end of life of these products in these countries shall comply with the applicable national laws of countries implementing Directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE).

European Union RoHS

Aruba products also comply with the EU Restriction of Hazardous Substances Directive 2002/95/EC (RoHS). EU RoHS restricts the use of specific hazardous materials in the manufacture of electrical and electronic equipment. Specifically, restricted materials under the RoHS Directive are Lead (including Silver) sold in printed circuit assemblies), Cadmium, Mercury, Hexavalent Chromium, and Bromine. Some Aruba products are subject to the exemptions listed in RoHS Directive Annex 7 (Lead in solder used in printed circuit assemblies). Products and packaging will be marked with the “RoHS” label shown at the left indicating conformance to this Directive.

China RoHS

Aruba products also comply with China environmental declaration requirements and are labeled with the “SFP+ 10” label shown at the left.

Safety and Regulatory Compliance

Aruba Networks provides a multi-language document that contains country-specific restrictions and additional safety and regulatory information for all Aruba access points. This document can be viewed or downloaded from the following locations: www.arubanetworks.com/safety-addendum

Regulatory Model Names

The following regulatory model names apply to the RAP-108/109:
- RAP-108: APINR108
- RAP-109: APINR109

Aruba access points must be installed by a professional installer. The professional installer is responsible for ensuring that grounding is available and it meets applicable local and national electrical codes.

EMC Compliance and Warning Statement
- IEC 60061-1: 2007
- IEC 68061-1: 2007

Table 2

EMC Warning: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

FCC Notice: For the most current information about Global Environmental Compliance and Aruba products, see our website at www.arubanetworks.com.