

Aruba APM-210 Wireless Access Point Module

Regulatory Compliance and Safety Information User Guide

Introduction

This document contains domestic and international regulatory compliance and safety information for the access point module. To ensure that this device complies with the regulatory standards for your region, please refer to the sections below.

- “Electrical and Environmental Specifications” on page 1
- “Proper Disposal of Aruba Equipment” on page 1
- □ “Safety and Regulatory Compliance” on page 2

Electrical and Environmental Specifications

- Ethernet:
 - 1x 10/100/1000 auto-sensing Ethernet RJ-45 Interface □
 - MDI/MDX □
 - IEEE 802.3 (10Base-T), IEEE 802.3u (100Base-T), IEEE 802.3ab (1000Base-T) □
 - Power over Ethernet (IEEE 802.3at and 802.3af compliant), 48V DC (nominal) and 56V DC (maximum)/350mA (see □
- Power: □
 - 48 VDC power interface, supports powering through an AC-to-DC power adapter □
 - POE support on Ethernet ports: 802.3at-compliant and 802.3af-compliant POE sourcing devices
 - Connect Only to IEC 60950-1 or IEC 60601-1 3rd edition products and power sources. □



If a power adapter other than the one provided by Aruba Networks is used in the US or Canada, it should be cULus (NRTL) Listed, with an output rated 48 VDC, minimum 2.08A, marked “LPS” or “Class 2,” and suitable for plugging into a standard power receptacle in the US and Canada.

Environmental □

- Operating: □ Temperature:
 - 0° C to +50° C (+32° F to +122° F)
 - Humidity: 5% to 95% non-condensing □ □
- Storage and transportation: □
 - Temperature: -40° C to +70° C (-40° F to +158° F) □

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

- Dispose of Aruba products per local regulations. 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 wheeled 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).

The expected service life for this device is 10 years.

European Union RoHS



Aruba products also comply with the EU Restriction of Hazardous Substances Directive 2011/65/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 Solder used 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 "EFUP 10" label shown at the left.

有毒有害物质声明 Hazardous Materials Declaration						
部件名称 (Parts)	有毒有害物质成分表 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板 (PCA Board)	X	○	○	○	○	○
机械组件 (Mechanical Sub-Assemblies)	X	○	○	○	○	○
○: 表示该有害物质在该部件所有均质材料中的含量均满足SJ/T11363-2006标准规定的限量要求以下。 Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.						
X: 表示该有害物质至少在该部件的某一均质材料中的含量超过SJ/T11363-2006标准规定的限量要求。 Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard.						
对销售之前的所有产品, 本表显示, 供应链的电子产品信息可能包含此物质。 This table shows where these substances may be found in the supply chain of electronic information products, as of the date of sale of the enclosed product.						
此标志为针对所售产品的环保使用期限标志。某些零部件会有一个不同的环保使用期限。 (例如: 电池单元模块) 贴在其产品上。 此环保使用期限只适用于产品是在产品手册中所规定的条件下工作。 The Environment-Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here. The Environment-Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.						

India RoHS

This product complies with RoHS requirements as prescribed by E-Waste (Management & Handling) Rules, governed by the Ministry of Environment & Forests, Government of India.

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 location: www.arubanetworks.com/safety_addendum

Regulatory Model Names

The following regulatory model names apply:

○ APINM210

FCC

The host device label is required to state the following:

Contains FCC ID: Q9DAPINM210

Contains IC: 4675A-APINM210

The following Caution statement is required in the user manual:



RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body for 2.4 GHz and 5 GHz operations. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. When operated in the 5.15 to 5.25 GHz frequency range, this device is restricted to indoor use to reduce the potential for harmful interference with co-channel Mobile Satellite Systems.



Déclaration sur les limites d'exposition aux radiofréquences : cet équipement est conforme aux limites d'exposition aux rayonnements radioélectriques spécifiées par la FCC. Il doit être installé et utilisé à une distance minimale de 20 cm par rapport à votre corps pour les fréquences de 2,4 et 5 GHz. Cet émetteur-récepteur ne doit pas être utilisé ou situé à proximité d'autres antennes ou émetteurs-récepteurs. En cas d'utilisation dans la plage de fréquences de 5,15 à 5,25 GHz, cet appareil doit uniquement être utilisé en intérieur afin de réduire les risques d'interférence avec les systèmes satellites mobiles partageant le même canal.

FCC Class B Part 15

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. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause interference harmful to radio communications.

Operation is subject to the following conditions:

- o This device may not cause harmful interference. ☐
- o This device must accept any interference received, including interference that may cause undesired operation ☐

If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is

☐ encouraged to try to correct the interference by one or more of the following measures: ☐ ☐

- o Reorient or relocate the receiving antenna.
- o Increase the separation between the equipment and receiver. ☐
- o Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- o Consult the dealer or an experienced radio or TV technician for help.

☐



Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.



Toute modification effectuée sur cet équipement sans l'autorisation expresse de la partie responsable de la conformité est susceptible d'annuler son droit d'utilisation.

Canada

Complies with the Class B limits for radio noise emissions as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For indoor use only. Operation in an outdoor host is prohibited.

This radio transmitter APINM210 has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

The module has been approved with a Clip-On PCB Antenna. ☐ The Antenna is encased in a mold design specific for this module.

The Maximum permissible antenna gain for 2.4GHz is 2.5dBi and 3.0dBi for 5GHz, and the antenna impedance is 50 ohms.

Users are advised that high power Radars are allocated as primary users of the bands 5250-5350 MHz and 5650- 5850

☐ MHz and these Radars could cause interference and/or damage to Licensed Exempt WLAN devices. ☐

Déclaration d'Industrie Canada

☐ Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Ce périphérique est conforme aux règlements RSS exempts de licence d'Industrie Canada. L'utilisation de ce périphérique est soumise aux deux conditions suivantes : (1) ce périphérique ne doit pas provoquer d'interférences, et (2) ce périphérique doit accepter toute interférence, y compris les interférences susceptibles de provoquer un dysfonctionnement.

Pour une utilisation en intérieur uniquement. Opération dans un hôte extérieur est interdite.

Cet émetteur APINM210 radio a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous avec le gain maximal admissible et de l'impédance d'antenne requise pour chaque type d'antenne indiqué. types d'antennes non inclus dans cette liste, ayant un gain supérieur au gain maximum indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.

Le module a été approuvé avec un clip-antenne PCB.

L'antenne est enfermée dans une conception de moule spécifique pour ce module.

Le gain d'antenne maximale admissible pour 2.4GHz est de 2,5 dBi et 3.0dBi pour 5GHz, et l'impédance de l'antenne est de 50 ohms.

Les utilisateurs sont informés que les radars à haute puissance sont désignés comme utilisateurs principaux des bandes 5250-5350MHz et 5650-5850MHz et ces radars pourraient provoquer des interférences et / ou endommager les périphériques WLAN Exemptés sous licence .



EU Regulatory Conformance

Aruba Networks Inc., hereby declares that the 320 Series Wireless Access Points are in compliance with directives listed below:

- ☐ EMC Directive: 2014/30/EU
- ☐ Low Voltage Directive: 2014/35/EU
- ☐ R&TTE Directive: 1999/5/EC
- ☐ REACH Regulation (EC): 1907/2006
- ☐ RoHS Directive: 2011/65/EU
- ☐ WEEE Directive: 2012/19/EU

A Declaration of Conformity for these directives is available for viewing at www.arubanetworks.com.

Users are advised that high power Radars are allocated as primary users of the bands 5250-5350 MHz and 5650- 5850 MHz and these Radars could cause interference and/or damage to Licensed Exempt WLAN devices.

Medical

1. Equipment not suitable for use in the presence of flammable mixtures. ☐
2. Connect to only IEC 60950-1 or IEC 60601-1 3rd edition certified products and power sources. The end user is ☐ responsible for the resulting medical system complies with the requirements of IEC 60601-1 3rd edition.
3. Wipe with a dry cloth, no additional maintenance required. ☐
4. No serviceable parts, the unit must be sent back to the manufacturer for repair. ☐
5. No modifications are allowed without Aruba approval. ☐

第十二條

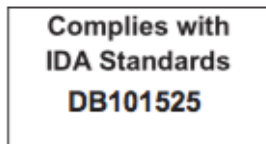
經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

Singapore



Hong Kong

