Aruba 9012 Gateway

Startup Guide

a Hewlett Packard Enterprise company

0512162-01

The Aruba 9012 gateway is dual purpose gateway that supports both SD-WAN and wireless LAN capabilities. The wireless LAN connects, controls, and intelligently integrates wireless Access Points (APs), Managed Devices, and Air Monitors (AMs). The gateway has the ability to directly connect a branch to cloud, provide resilient connectivity from the cloud, and centralized control for policy management across all branches.

Package Contents

- Aruba 9012 gateway
- Power cable
- Micro USB console cable
- 2 Rack mount brackets
- 8 M3 x 8 mm flat head screws
- 4 M6 x15 mm Phillips pan head screws
- 2 M6 x 7 mm grounding screws
- 4 Rubber feet
- Aruba 9012 Start-up Guide (Printed)
- Safety, Compliance, and Warranty Information (Printed)

NOTE

The rack mounting kit available for use with the Aruba 9012 gateway is sold separately. Contact your Aruba sales representative for details and assistance.

Installation

This device must be professionally installed and serviced by a trained Aruba-Certified Mobility Professional (ACMP), or similar Aruba-certified technician. To install this device, refer to the *Aruba 9012 Gateway Installation Guide* by scanning the QR code in this section, or visit www.support.arubanetworks.com then select **Documentation> Hardware Installation Guides> Controllers> Aruba 9012 Gateway**

Software End User License Agreement

The End User License Agreement (EULA) information for this product can be found at www.arubanetworks.com/assets/legal/EULA.pdf.

9012 Specifications

Physical

- Device Dimensions (HxWxD): 3.95 cm x 26.00 cm x 4.37 cm
- Device Weight: 7.54 lbs (3.42 kg)

Electrical

- Ethernet
  - 12 x 10/100/1000BASE-T auto-sensing Ethernet RJ-45 ports
    - 6 x PoE+ ports
    - MDI/MDX
  - 2 x USB A 3.0 Ports
  - 1 x Micro USB console port
  - 1 x RJ-45 console port
  - Bluetooth
- 185 W AC Power Supply
  - AC Input Voltage: 100 V AC to 240 V AC
  - AC Input Current: 3 A at 100 Vrms
  - AC Input Frequency: 50 to 60 Hz

Environmental

- Operating
  - Temperature Range: 0 °C to 40 °C (32 °F to 104 °F)
  - Humidity Range: 10% to 90% (RH), non-condensing
- Storage and Transportation
  - Temperature Range: –40 °C to 70 °C (-40 °F to 158 °F)
  - Humidity Range: 10% to 95% (RH), non-condensing

Regulatory Model Name

The regulatory model name for the 9012 gateway is ARCN9012.

Safety and Regulatory Compliance

Aruba, a Hewlett Packard Enterprise company provides a multi-language document that contains country-specific restrictions and additional safety and regulatory information for all Aruba products. This document can be viewed or downloaded from the following location: www.arubanetworks.com/safety_addendum

FCC Class A Part 15

United States

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

CAUTION

Changes or modifications to this unit not expressly approved by Aruba, a Hewlett Packard Enterprise company, can void the user's authority to operate this equipment.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.
This product complies with 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.

Canada

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference
(2) This device must accept any interference, including interference that may cause undesired operation of the device
Cet appareil contient des émetteurs / récepteurs exempts de licence qui sont conformes au (x) RSS (s) exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'opération est soumise aux deux conditions suivantes:
(1) Cet appareil ne doit pas causer d'interférences(2) Cet appareil doit accepter toute interférence, y compris les interférences pouvant provoquer un fonctionnement indésirable de l'appareil.

EU Regulatory Conformance

European Union

The Declaration of Conformity made under RED Directive 2014/53/EU is available for viewing at http://www.hpe.com/eu/certificates. Select the document that corresponds to your device's model number as it is indicated on the product label.

CAUTION

Use of controls or adjustments of performance or procedures other than those specified in this manual may result in hazardous radiation exposure.

CAUTION

Although this gateway has been tested up to 1 kV per CE immunity requirements, this product requires surge protection to be provided as part of the building installation to protect against unidirectional surges resulting from electrical switching and lightning strikes.
For protection against these surges in an outdoor installation, any exposed wiring must be shielded, and the shield for the wiring must be grounded at both ends.

Wireless Channel Restrictions

Table 1 *Frequency Range Table*

Frequency Range MHz	Max EIRP
2402-2480	5 dBm

RF Radiation Exposure Statement

This equipment complies with RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 7.9 inches (20cm) between the radiator and your body for 2.4 GHz. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Mexico

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Ukraine

Hereby, Aruba, a Hewlett Packard Enterprise company declares that the radio equipment type [The Regulatory Model Number [RMN] for this device can be found on page 1 of this document] is in compliance with Ukrainian Technical Regulation on Radio Equipment, approved by resolution of the CABINET OF MINISTERS OF UKRAINE dated May 24, 2017, No. 355. The full text of the UA declaration of conformity is available at the following internet address: https://certificates.ext.hpe.com/public/certificates.html

Japan VCCI

この装置は、クラス A 情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI-A

Thailand

กสทช.

ผู้ใดมีไว้ในครอบครอง หรือ ใช้ซึ่งเครื่องวิทยุคมนาคมหรือตั้งสถานีวิทยุคมนาคมนี้ ต้องได้รับใบอนุญาตจากเจ้าพนักงานผู้ออกใบอนุญาต หากฝ่าฝืน มาตรา 6 หรือมาตรา 11 มีความผิดตามมาตรา 23 แห่งพระราชบัญญัติวิทยุคมนาคม พ.ศ. 2498 ต้องระวางโทษปรับไม่เกินหนึ่งแสนบาท หรือจำคุกไม่เกินห้าปี หรือทั้งปรับทั้งจำ

กสทช. โทรคมนาคม
กำกับดูแลเพื่อประชาชน
Call Center 1200 (โทรฟรี)

Proper Disposal of Aruba Equipment

Waste of Electrical and Electronic Equipment

Aruba, a Hewlett Packard Enterprise company 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 2012/19/EU on Waste of Electrical and Electronic Equipment (WEEE).

European Union RoHS

Aruba, a Hewlett Packard Enterprise company products also comply with the EU Restriction of Hazardous Substances Directive 2011/65/EU (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.

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.

China RoHS

Aruba, a Hewlett Packard Enterprise company company products also comply with China environmental declaration requirements and are labeled with the "EFUP 50" label shown at the left.

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有毒有害物质声明

Hazardous Materials Declaration

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substances)					
	铅 Lead (Pb)	汞 Mercury (Hg)	镉 Cadmium (Cd)	六价铬 Chromium VI Compounds (Cr^{6+})	多溴联苯 Polybrominated Biphenyls (PBB)	多溴二苯醚 Polybrominated Diphenyl Ether (PBDE)
电路板 PCA Board	x	o	o	o	o	o
机械组件 Mechanical Subassembly	x	o	o	o	o	o
电源适配器 Power Adaptor	x	o	o	o	o	o

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006标准规定的限量要求以下。
This component does not contain this hazardous substance above the maximum concentration values in homogeneous materials specified in the SJ/T11363-2006 Industry Standard.

X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求。
This component does contain this hazardous substance above the maximum concentration values in homogeneous materials specified in the SJ/T11363-2006 Industry Standard.

对销售之日的所售产品，本表显示，供应链的电子信息产品可能包含这些物质。
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.

此标志为针对所涉及产品的环保使用期标志.
某些零部件会有一个不同的环保使用期(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.

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Brazil

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Russia

HPE Russia: ООО "Хьюлетт Паккард Энтерпрайз" Российская Федерация, 125171, г. Москва, Ленинградское шоссе, 16А, стр.3, Телефон: +7 499 403 4248 Факс: +7 499 403 4677
'HPE Belarus': ИООО «Хьюлетт-Паккард Бел», Республика Беларусь, 220030, г. Минск, ул. Интернациональная, 36-1, Телефон/факс: +375 17 392 28 20Este
'HPE Kazakhstan': ТОО «Хьюлетт-Паккард (К)», Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 50

Contact Aruba

Main Site	http://www.arubanetworks.com
Support Site	http://support.arubanetworks.com
Airheads Social Forums and Knowledge Base	http://community.arubanetworks.com/
North America Telephone	1-800-943-4526 1-408-754-1200
International Telephone	http://www.arubanetworks.com/support-services/contact-support/
Software Licensing Site	lms.arubanetworks.com
End-of-Life Information	http://www.arubanetworks.com/support-services/end-of-life/
Security Incident Response Team (SIRT)	http://www.arubanetworks.com/support-service/security-bulletins/ Email: aruba-sirt@hpe.com

Copyright

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Open Source Code

This product includes code licensed under the GNU General Public License, the GNU Lesser General Public License, and/or certain other open source licenses.
A complete machine-readable copy of the source code corresponding to such code is available upon request. This offer is valid to anyone in receipt of this information and shall expire three years following the date of the final distribution of this product version by Hewlett Packard Enterprise Company.
To obtain such source code, send a check or money order in the amount of US $10.00 to:
Hewlett Packard Enterprise Company
Attn: General Counsel
6280 America Center Drive
San Jose, CA 95002
USA

Warranty

This hardware product is protected by an Aruba warranty. For more details visit www.hpe.com/us/en/support.html and select the “HPE, Servers, Storage, and Networking” option from the Product Support menu to access HPE’s Warranty Check.

a Hewlett Packard Enterprise company

3333 Scott Boulevard
Santa Clara, California 95054
USA

Hewlett Packard Enterprise

SIMPLIFIED DECLARATION OF CONFORMITY

The Regulatory Model Number **[RMN]** for this device can be found in the Regulatory Compliance section of this document.

EN	Hereby, Hewlett Packard Enterprise Company declares that the radio equipment type **[RMN]** is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.hpe.com/eu/certificates.
DE	Hiermit erklärt Hewlett Packard Enterprise Company, dass der Funkanlagentyp **[RMN]** der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: www.hpe.com/eu/certificates.
FR	Le soussigné, Hewlett Packard Enterprise Company, déclare que l'équipement radioélectrique du type **[RMN]** est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: www.hpe.com/eu/certificates.
IT	Il fabbricante, Hewlett Packard Enterprise Company, dichiara che il tipo di apparecchiatura radio **[RMN]** è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: www.hpe.com/eu/certificates.
ES	Por la presente, Hewlett Packard Enterprise Company declara que el tipo de equipo radioeléctrico **[RMN]** es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: www.hpe.com/eu/certificates.
PL	Hewlett Packard Enterprise Company niniejszym oświadcza, że typ urządzenia radiowego **[RMN]** jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: www.hpe.com/eu/certificates.
RO	Prin prezenta, Hewlett Packard Enterprise Company declară că tipul de echipamente radio **[RMN]** este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: www.hpe.com/eu/certificates.
NL	Hierbij verklaar ik, Hewlett Packard Enterprise Company, dat het type radioapparatuur **[RMN]** conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: www.hpe.com/eu/certificates.
HU	A Hewlett Packard Enterprise Company igazolja, hogy az **[RMN]** típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: www.hpe.com/eu/certificates.
PT	O(a) abaixo assinado(a) Hewlett Packard Enterprise Company declara que o presente tipo de equipamento de radio **[RMN]** está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: www.hpe.com/eu/certificates.
EL	Με την παρούσα ο/η Hewlett Packard Enterprise Company, δηλώνει ότι ο ραδιοεξοπλισμός **[RMN]** πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: www.hpe.com/eu/certificates.
SV	Härmed försäkrar Hewlett Packard Enterprise Company att denna typ av radioutrustning **[RMN]** överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: www.hpe.com/eu/certificates.
CS	Tímto Hewlett Packard Enterprise Company prohlašuje, že typ rádiového zařízení **[RMN]** je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: www.hpe.com/eu/certificates.
BG	С настоящото Hewlett Packard Enterprise Company декларира, че този тип радиосъоръжение **[RMN]** е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: www.hpe.com/eu/certificates.
SK	Hewlett Packard Enterprise Company týmto vyhlasuje, že rádiové zariadenie typu **[RMN]** je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: www.hpe.com/eu/certificates.
DA	Hermed erklærer Hewlett Packard Enterprise Company, at radioudstyrstypen **[RMN]** er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: www.hpe.com/eu/certificates.
FI	Hewlett Packard Enterprise Company vakuuttaa, että radiolaitetyyppi **[RMN]** on direktiivin 2014/53/EU mukainen. EUvaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: www.hpe.com/eu/certificates.
LT	Aš, Hewlett Packard Enterprise Company, patvirtinu, kad radijo įrenginių tipas **[RMN]** atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: www.hpe.com/eu/certificates.
NO	Hewlett Packard Enterprise Company erklærer herved at utstyret **[RMN]** er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 2014/53/EF. Samsvarserklæring: www.hpe.com/eu/certificates.
SL	Hewlett Packard Enterprise Company potrjuje, da je tip radijske opreme **[RMN]** skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: www.hpe.com/eu/certificates.
ET	Käesolevaga deklareerib Hewlett Packard Enterprise Company, et käesolev raadioseadme tüüp **[RMN]** vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: www.hpe.com/eu/certificates.
HR	Hewlett Packard Enterprise Company ovime izjavljuje da je radijska oprema tipa **[RMN]** u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: www.hpe.com/eu/certificates.
LV	Ar šo Hewlett Packard Enterprise Company deklarē, ka radioiekārta **[RMN]** atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: www.hpe.com/eu/certificates.
IS	Hér með lýsir Hewlett Packard Enterprise yfir því að **[RMN]** er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 2014/53/EC. Samræmisyfirlýsing: www.hpe.com/eu/certificates.
MT	B'dan, Hewlett Packard Enterprise Company, niddikjara li dan it-tip ta' tagħmir tar-radju **[RMN]** huwa konformi mad-Direttiva 2014/53/UE.It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: www.hpe.com/eu/certificates.

EU Regulatory Contact:
HPE, Postfach 0001, 1122 Wien, Austria
E-mail: tre@hpe.com
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