

HPE Aruba Networking EdgeConnect 10104 SD-WAN Gateway

Startup Guide



**Hewlett Packard
Enterprise**



0510018-03

Thank you for purchasing an HPE Aruba Networking gateway.

The HPE Aruba Networking EdgeConnect 10104 SD-WAN Gateway provides high-performance networking and SD-WAN in compact and cost-effective form factor, ideally suited for small branch and remote office environments.

Package Contents

- HPE Aruba Networking EdgeConnect 10104 SD-WAN Gateway
- DB9-RJ45 console cable (1 cable)
- Ethernet cable (4 cables)
- Power adapter
- Adapter Cable Saddle (one saddle)
- Wall mount kit (2 screws, 2 anchors, 1 template)



Optional accessories available for use with the EdgeConnect 10104 SD-WAN Gateway are sold separately. Contact your Aruba sales representative for details and assistance.

Additionally, user documentation, release notes, and the latest software images are available for download from Aruba's website at: <http://arubanetworks.com/website/techdocs/sdwan/>

Installation



This device must be professionally installed and serviced by a trained HPE Aruba Networking Accredited SD-WAN Professional (AASP), or similar Aruba-certified technician. To install this device, refer to the *EdgeConnect 10104 SD-WAN Gateway Installation Guide* by scanning the QR code in this section, or visit www.arubanetworks.com/techdocs/sdwan/hardware/ then open *EC-10104 Installation Guide* under the

Gateway Setup Guides section.

Software End User License Agreement

The End User License Agreement (EULA) information for this product can be found at www.arubanetworks.com/techdocs/sdwan/docs/eula

EC-10104 Specifications

Physical

- Device Dimensions (HxWxD): 3.82 cm x 19.85cm x 15.31 cm
- Device Weight: 2.41 lbs (1.093 kg)

Electrical

- Ethernet
 - 4 x 100/1000BASE-T auto-sensing Ethernet RJ-45 interfaces
 - MDI/MDIX interfaces
- Power
 - 12V DC power interface, supports powering through a 12V DC, 2.5A AC-to-DC power adapter

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 EdgeConnect 10104 SD-WAN Gateway is EC-10104.

Safety and Regulatory Compliance

HPE Aruba Networking 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 B Part 15

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. 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. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.



Changes or modifications to this unit not expressly approved by HPE Aruba Networking, can void the user's authority to operate this equipment.

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. 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 his own expense.

Industry Canada

This Class B digital apparatus meets all of the requirements of the Canadian Interference-Causing Equipment Regulations. This device complies with Industry Canada's license-exempt RSS regulations. Operation of this device 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.

Déclaration d'Industrie 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.

An HPE Aruba Networking EdgeConnect SD-WAN gateway will be damaged if you connect the gateway to a PoE interface configured in passive mode ("forced voltage" mode)!



If you must connect an EdgeConnect gateway to a device with PoE interfaces, disable the PoE interfaces. If you cannot disable the PoE functionality on the interfaces, configure the PoE interfaces in active mode to prevent permanent electrical damage to the gateway.

EU Regulatory Conformance

European Union



The Declaration of Conformity made under EMC Directive 2014/30/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.

Proper Disposal of Aruba Equipment

Waste of Electrical and Electronic Equipment



HPE Aruba Networking 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 2012/19/EU on Waste of Electrical and Electronic Equipment (WEEE).

European Union RoHS



HPE Aruba Networking 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.

Contact Aruba

Main Site	http://www.arubanetworks.com
Support Site	http://asp.arubanetworks.com
Airheads Social Forums and Knowledge Base	http://community.arubanetworks.com/
North America Telephone	1-800-943-4526 1-650-750-0350
International Telephone	http://www.arubanetworks.com/support-services/contact-support/
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.



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 försäkras 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. Úplně 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 radiolaitetyypin [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 1999/5/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 skladnosti 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 1999/5/EC. Samræmisýfirlýsing: www.hpe.com/eu/certificates .
MT	B'dan, Hewlett Packard Enterprise Company, niddikjara li dan it-tip ta' taghmir tar-radju [RMN] huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformita tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li gej: www.hpe.com/eu/certificates .

EU Regulatory Contact:

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