

HPE Aruba Networking
EdgeConnect 10106 SD-WAN Gateway
Installation Guide

Hewlett Packard Enterprise

Installation Guide

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This document describes the hardware features of the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway. It provides a detailed overview of the physical and performance characteristics of the Gateway and explains how to install the Gateway and its accessories.

Guide Overview

- Chapter 1, "Gateway Components" on page 5 provides a detailed hardware overview of the EdgeConnect 10106 SD-WAN Gateway and each of its components.
- Chapter 2, "Installation" on page 12 describes how to install the Gateway.
- Chapter 3, "Configuring the Gateway" on page 21 describes how to configure the Gateway.
- Chapter 4, "Specifications, Safety, and Compliance" on page 24 lists the Gateway's technical specifications and safety and regulatory compliance information.

Contacting Support

Table 1 *Contact Information*

Main Site	www.arubanetworks.com
Support Site	https://asp.arubanetworks.com
Airheads Social Forums and Knowledge Base	www.community.arubanetworks.com
North American Telephone	1-800-943-4526 (Toll Free) 1-650-750-0350
International Telephones	https://www.arubanetworks.com/support-services/contact-support/
Software Licensing Site	www.hpe.com/networking/support
End of Support Information	www.arubanetworks.com/support-services/end-of-life/
Security Incident Response Team (SIRT)	Site: https://www.arubanetworks.com/support-services/security-bulletins/ Email: aruba-sirt@hpe.com

Chapter 1
Gateway Components

The HPE Aruba Networking EdgeConnect 10106 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. Table 2 describes the Gateway ports and their configuration.

Table 2 *HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway Ports*

Ports	Number of Ports	Description
10/100/1000BASE-T Auto-sensing Ethernet RJ45 port with PoE	2	LAN0, LAN1
1G/10G SFP+ Transceiver Cage	2	WAN0, WAN1
1G Combo Port (10/100/1000BASE-T Auto-sensing Ethernet RJ45 / 1G SFP Transceiver Cage)	2	LAN2, WAN2
10/100/1000BASE-T Auto-sensing Ethernet RJ45 port	2	mgmt0, mgmt1
USB 3.0 port	1	
RJ45 console port	1	
USB Type C console port	1	Supports CLI access Functions similarly to RJ45 port.

Package Checklist

Inform your supplier if there are incorrect, missing, or damaged parts. To return this product, pack the unit and other included materials into the original packaging before returning it to the supplier.

Table 3 *Package Contents*

Item	Quantity
HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway	1
DB9-RJ45 console cable	1
Ethernet cable	4
Grounding cable – 14 AWG	1
Power adapter	1
Power cable	1
Crossover adapter	2
Power adapter tray	1
Power adapter bracket	1
Rack mount brackets	2
M3 x 8 mm flat head screws	12
M3 Lock nut	2
M6 x 15 mm Phillips Pan Head screws	4

Table 3 *Package Contents (Continued)*

Item	Quantity
Rubber feet	4
Wall mount kit (2 screws, 2 anchors)	1
Power cord retainer clip	1

Component Descriptions

NOTE

Optional accessories are available for use with the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway and are sold separately. Contact your HPE Aruba Networking sales representative for details and assistance.

This section introduces EdgeConnect 10106 SD-WAN Gateway components and their location on the Gateway.

Figure 1 shows the front panel of the EC-10106. Figure 2 shows the back panel of the EC-10106.

Figure 1 *Front Panel of the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway*

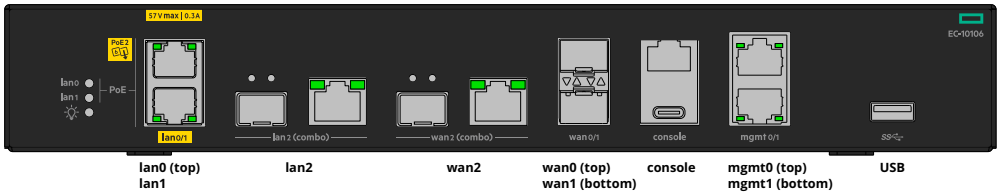


Figure 2 *Back Panel of the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway*



Front Panel LED Indicators

Front panel LED indicators show the power and PoE status of the EC-10106. The following table describes the LED indicators and their corresponding status:

Table 4 *LED Status*

LED	Function	Indicator	Status
lan0	PoE Status	Green (Solid)	PoE Power Provided
		Off	PoE Power Not Provided
lan1	PoE Status	Green (Solid)	PoE Power Provided
		Off	PoE Power Not Provided
power (light bulb icon)	Power Status	Green (Solid)	Powered and Operational
		Amber (Solid)	Unit is in Error state
		Off	Power is Off

PoE

The EdgeConnect 10106 SD-WAN Gateway supports PoE IEEE 802.3 af, IEEE 802.3 at, and IEEE 802.3 bt up to Type 3 Class6 to provide power to connected devices. PoE is enabled by default to provide plug and play capability for PoE capable devices. The cross-over adapter that is included in the package might be needed when connecting to pre-standard (legacy) powered devices that are polarity sensitive.

The gateway supports a total available power of 60W in PoE mode. Each PoE port can support up to IEEE 802.3 bt Type 3 Class 6 (60W).

DC Power Connector

The AC-DC adapter kit with the following specification is used to power the EC-10106.

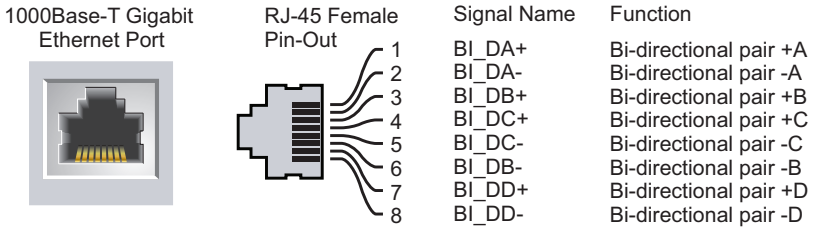
- 54V/3.05A power interface
- 4 PIN Power Molding circular plug

Ethernet Ports

The EC-10106 SD-WAN Gateway is equipped with two 10/100/1000Base-T Ethernet ports with PoE (LAN0, LAN1), two combo ports (10/100/1000Base-T Ethernet ports or 1G SFP) (LAN2, WAN2), and two 1G/10G SFP+ ports (WAN0, WAN1).

Gigabit Ethernet uses all eight wires and each pair is bidirectional, which means the same pair is used for both data transmission and reception. Figure 3 illustrates the Gigabit Ethernet port pin-out for an RJ-45 connector. The pins paired on a 10/100/1000Base-T Gigabit Ethernet port are: 1/2, 3/ 6, 4/5, and 7/8.

Figure 3 *Gigabit Ethernet Port Pin-Out*



Each Ethernet port is equipped with two LEDs that monitor link/port status and activity.

- **LINK/ACT**: Placed on the left side of the port; displays the link status and activity of the port.
- **STATUS**: Placed on the right side of the port; displays the speed of the port.

1G RJ45 PoE Port LEDs

Figure 4 highlights the position of the 1G RJ45 PoE port LEDs on the front panel of the Gateway.

Figure 4 *1G-RJ45 PoE Port LEDs on the EdgeConnect 10106 SD-WAN Gateway Front Panel*



Table 5 describes the behavior of the 1G RJ45 PoE port LEDs.

Table 5 *1G-RJ45 Port LED Behavior*

LED	Function	Mode	Indicator	Status
LINK/ACT	Link status	NA	Green (Solid)	Link established
			Green (Blinking)	Port is transmitting or receiving data
			Off	No link
STATUS	Port status	Speed	Green (Solid)	Link at 1000 Mbps
			Off	Link at 100/10 Mbps

1G Combo Port SFP LEDs

Figure 5 highlights the position of the 1G Combo port SFP LEDs on the front panel of the Gateway.

Figure 5 *1G Combo Port SFP LEDs on the EdgeConnect 10106 SD-WAN Gateway Front Panel*

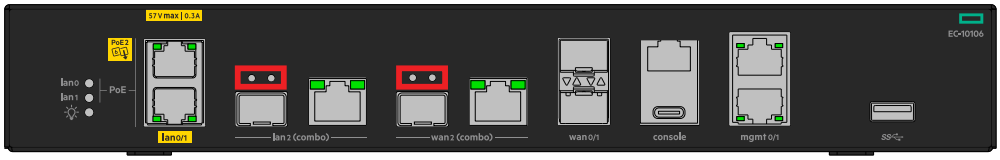


Table 6 describes the behavior of the 1G Combo port SFP LEDs.

Table 6 *1G Combo SFP LED Behavior*

LED	Function	Mode	Indicator	Status
LINK/ACT	Link status	NA	Green (Solid)	Link established
			Green (Blinking)	Port is transmitting or receiving data
			Off	No link
STATUS	Port status	Speed	Green (Solid)	Link at 1000 Mbps
			Off	No link

1G Combo Port RJ45 LEDs

Figure 6 highlights the position of the 1G Combo port RJ45 LEDs on the front panel of the Gateway.

Figure 6 *1G Combo port RJ45 LEDs on the EdgeConnect 10106 SD-WAN Gateway Front Panel*



Table 7 describes the behavior of the 1G Combo port RJ45 LEDs.

Table 7 *1G Combo Port RJ45 LED Behavior*

LED	Function	Mode	Indicator	Status
LINK/ACT	Link status	NA	Green (Solid)	Link established
			Green (Blinking)	Port is transmitting or receiving data
			Off	No link
STATUS	Port status	Speed	Green (Solid)	Link at 1000 Mbps
			Off	Link at 100/10 Mbps

1G/10G SFP+ Port LEDs

Figure 7 highlights the position of the 1G/10G SFP+ port LEDs on the front panel of the Gateway.

The following table describes the behavior of 1G/10G SFP+ port LEDs:

Figure 7 *1G/10G+ SFP Port LEDs on the EdgeConnect 10106 SD-WAN Gateway Front Panel*



Table 8 describes the behavior of the 1G/10G SFP+ port LEDs.

Table 8 *1G/10G SFP+ Port LED Behavior*

LED	Function	Mode	Indicator	Status
LINK/ACT	Link status	NA	Green (Solid)	Link established
			Green (Blinking)	Port is transmitting or receiving data
			Off	No link
STATUS	Port status	Speed	Green (Solid)	Link at 10 Gbps
			Amber (Solid)	Link at 1000 Mbps
			Off	No link

Mgmt Port LEDs

Figure 8 highlights the position of the Mgmt port LEDs on the front panel of the Gateway.

Figure 8 *Mgmt Port LEDs on the EdgeConnect 10106 SD-WAN Gateway Front Panel*



Table 9 describes the behavior of the Mgmt port LEDs.

Table 9 *Mgmt Port LED Behavior*

LED	Function	Mode	Indicator	Status
LINK/ACT	Link status	NA	Green (Solid)	Link established
			Green (Blinking)	Port is transmitting or receiving data
			Off	No link
STATUS	Port status	Speed	Green (Solid)	Link at 1000 Mbps
			Off	Link at 100/10 Mbps

USB Type C Console Port

The EdgeConnect 10106 SD-WAN Gateway is equipped with a USB Type C connector that provides console access for direct local access. If both USB and RJ-45 console ports are connected, the USB connection takes precedence over the RJ-45 console connection.

USB Type C Driver

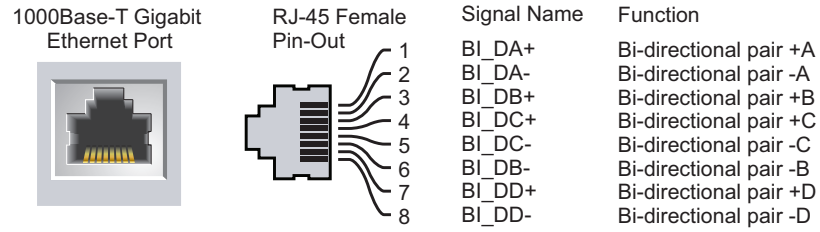
To use the USB console port, you must install the HPE Aruba Networking USB driver on the computer that will manage your SD-WAN. To download the driver, perform the following steps:

1. Go to https://asp.arubanetworks.com.
2. Click on the **Software & Documents** tab.
3. In the **Search Files** field, enter *USB Console* and press Enter.
4. Click on the download icon for appropriate file for your application. The corresponding operating system is in the file name.

RJ-45 Console Port

The serial console port allows connecting an SD-WAN Gateway to a serial terminal or a laptop for direct local management. This port is a RJ-45 female connector with pin-outs described in Figure 9. Connect it directly to a terminal or terminal server using an Ethernet cable.

Figure 9 *Serial Console Port Pin-Out*



The communication settings for the Console port are shown in the following table:

Table 10 *Console Terminal Settings*

Baud Rate	Data Bits	Parity	Stop Bits	Flow Control
9600	8	None	1	None

CAUTION

The CONSOLE port is compatible only with RS-232 devices. Non-RS-232 devices, such as APs, are not supported.

CAUTION

Do not connect the Console port to an Ethernet switch or a PoE power source. This may damage the Gateway.

USB Port

The EdgeConnect 10106 SD-WAN Gateway is equipped with a USB 3.0 interface. A USB storage device can be used to save and upload configurations to the Gateway.

Chapter 2
Installation

This chapter describes how to install the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway.



Installation of the device should be performed by a trained installation professional.

You can mount the Gateway on any flat surface such as a desktop or a shelf. You can also mount the Gateway in a standard, 19-inch Telco rack or on a wall using the appropriate accessory kit provided by HPE Aruba Networking.

Installation Recommendations

- For proper air circulation, leave at least 10 cm (4 inches) clearance on the left, right, front, and rear side of the SD-WAN Gateway.
- Leave additional space in front and rear side of the Gateway to access power cords, network cables, and indicator LEDs.
- Avoid placing anything on top of the Gateway because it can lead to overheating of the Gateway.
- Avoid placing this Gateway on any other device because the heat dissipated from the other device can over heat the Gateway.

Precautions

- Dangerous voltage above 240 V AC is always present while an HPE Aruba Networking gateway is plugged into an electrical outlet. Remove all rings, jewelry, and other potentially conductive material before working with this device.
- Never insert foreign objects into the chassis, power supply, or any other component, even when the power supply is turned off, unplugged, or removed.
- Ensure that the main power is fully disconnected from the Gateway by unplugging all power cords from their outlets. For safety, verify that the power outlets and plugs are easily reachable by the operator.
- Do not handle electrical cables that are not insulated. This also includes network cables.
- Keep water and other fluids away from the Gateway to minimize electrical hazards.
- Comply with electrical grounding standards during all phases of installation and operation of the product. Do not allow the Gateway's chassis, network ports, power supply, or mounting brackets to contact any device, cable, object, or person attached to a different electrical ground. Also, never connect the device to external storm grounding sources.
- Perform installation or removal of the chassis or any module in a static-free environment. Proper use of anti-static body straps and mats is strongly recommended.
- Modules must be kept in anti-static packaging when not installed in the chassis.
- Do not ship or store this product near strong electromagnetic, electrostatic, magnetic, or radioactive fields.
- This product, power cords, and all interconnected cables are for indoor use only.

Rack Mounting the Gateway

This mounting option allows mounting the EdgeConnect 10106 SD-WAN Gateway in a two-post 19-inch Telco rack. The rack mount procedure includes processes that install the power adapter tray, attach the mount brackets, and mount the Gateway into the rack.

CAUTION

Each EdgeConnect 10106 SD-WAN Gateway should have its own mounting equipment. Do not place other networking equipment directly on top of a mounted gateway. Failure to do so can damage the device.

Required Tools and Equipment

The following tools and equipment are required to install an EdgeConnect 10106 SD-WAN Gateway:

- Power adapter tray (included in the kit)
- Mounting bracket (x2) (included in the kit)
- Power adapter bracket (included in the kit)
- Screws for attaching tray (x4): M3 x 8 mm Phillips Flat Head Screws (included in the kit)
- Nuts (M3) (x2) for securing power adapter to tray
- Power cord retainer clip
- Screws for mounting bracket (x8): M3 x 8 mm Phillips Flat Head Screws (included in the kit)
- Screws for system rack mount (x4): M6 x 15 mm Phillips Pan Head Screws (included in the kit)
- Suitable screwdrivers for all screw types provided in the box (not included in the kit)
- Suitable nut driver for nut type provided in the box (not included in the kit)

NOTE

Some racks require screws that differ from those included with the EC-10106 EdgeConnect 10106 SD-WAN Gateway. Ensure that you have the correct screws before installing the device.

Installation Steps

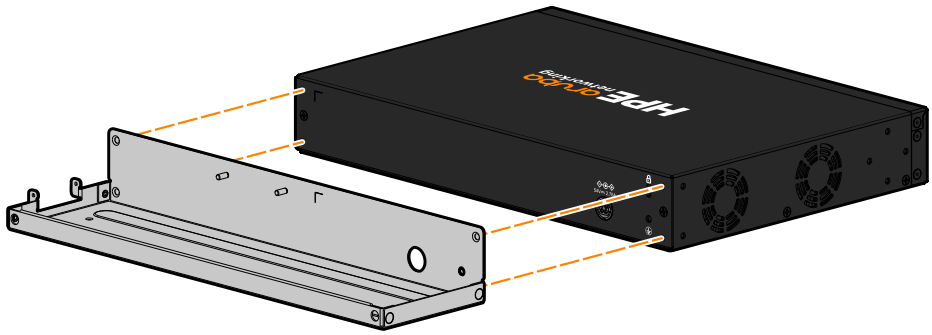
1. Remove the grounding screw from the rear panel.

Figure 10 *Removing the Grounding Screw from the Rear Panel*



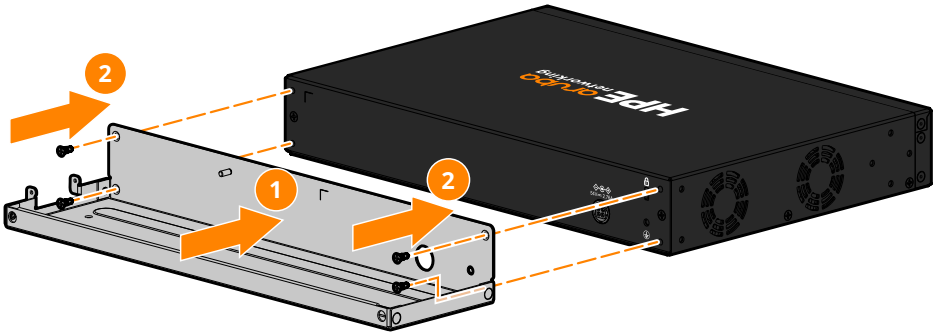
2. Place the Power Adapter Tray over the tray holes on the Gateway.

Figure 11 *Aligning the Power Tray to the Gateway*



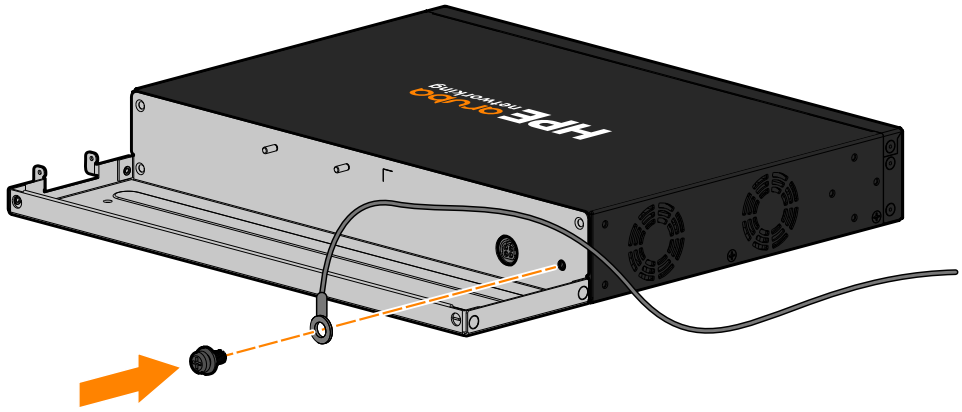
3. Secure the tray to the Gateway using the four screws for the tray and a suitable screwdriver.

Figure 12 *Attaching the Power Tray to the Gateway*



4. Attach the grounding cable to the rear panel using the grounding screw removed in step 1.

Figure 13 *Attaching the Grounding Cable*



5. Install the power adapter and secure it using the adapter bracket and nuts.

Figure 14 *Installing the Power Adapter*

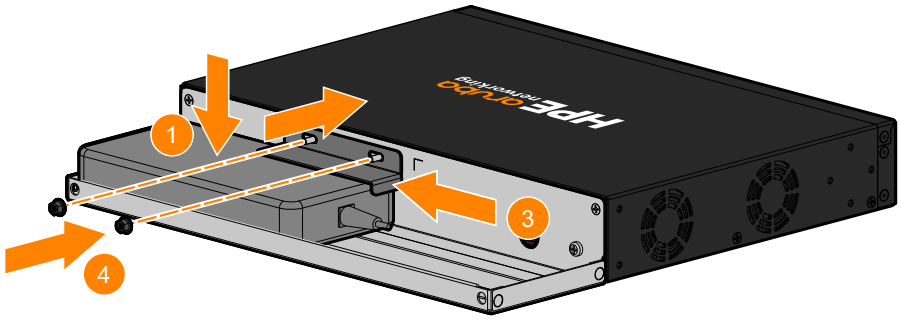
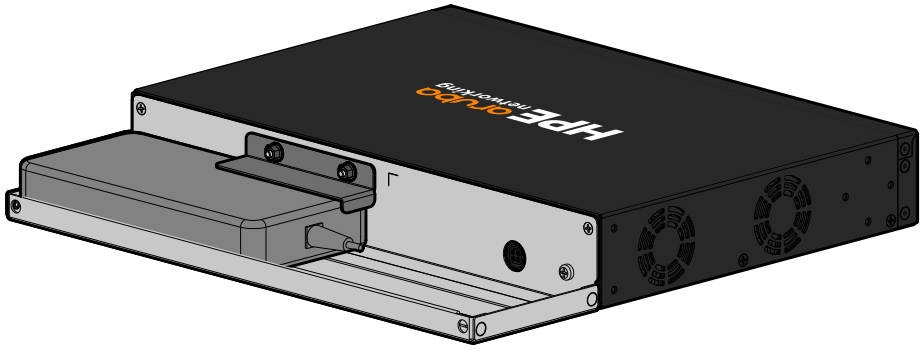
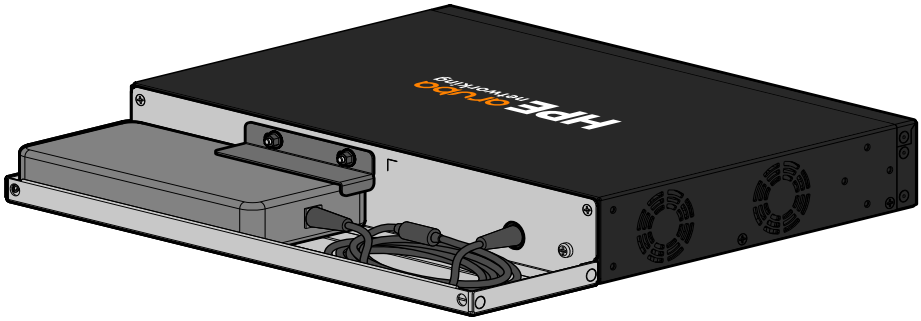


Figure 15 *Power Adapter Installed into Tray*



6. Connect the power cable with DC jack after winding the cable neatly.

Figure 16 *Attaching the Power Cord*



7. Place the mounting bracket over the mounting holes of the Gateway. See Figure 17.
8. Secure the mounting brackets to the Gateway using the eight screws (four per bracket) and a suitable screwdriver.

Figure 17 *Attaching the Mounting Brackets*



9. Attach the AC cord and the cord clip to the tray.

Figure 18 *Attaching the AC cord and cord clip*

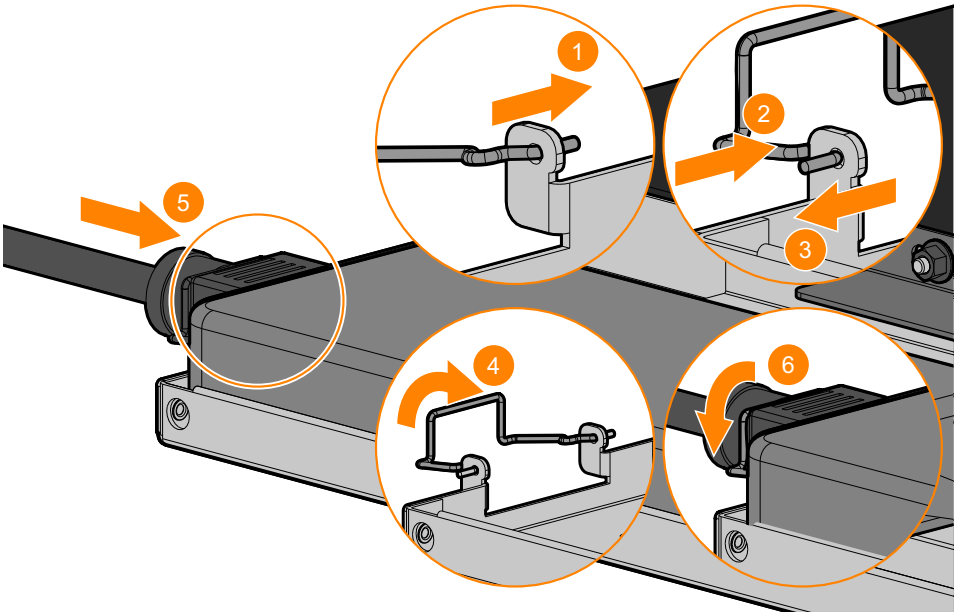
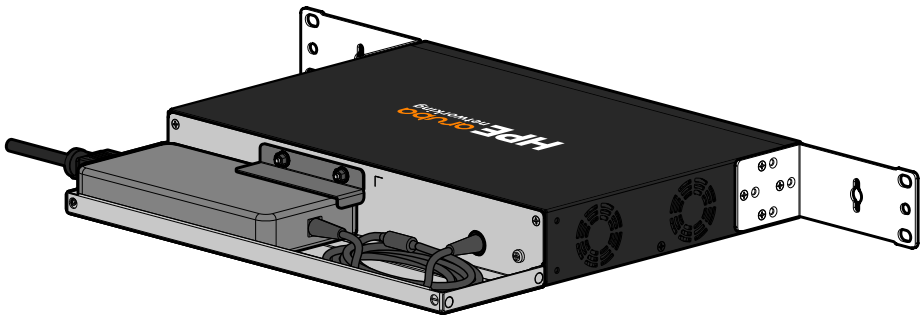
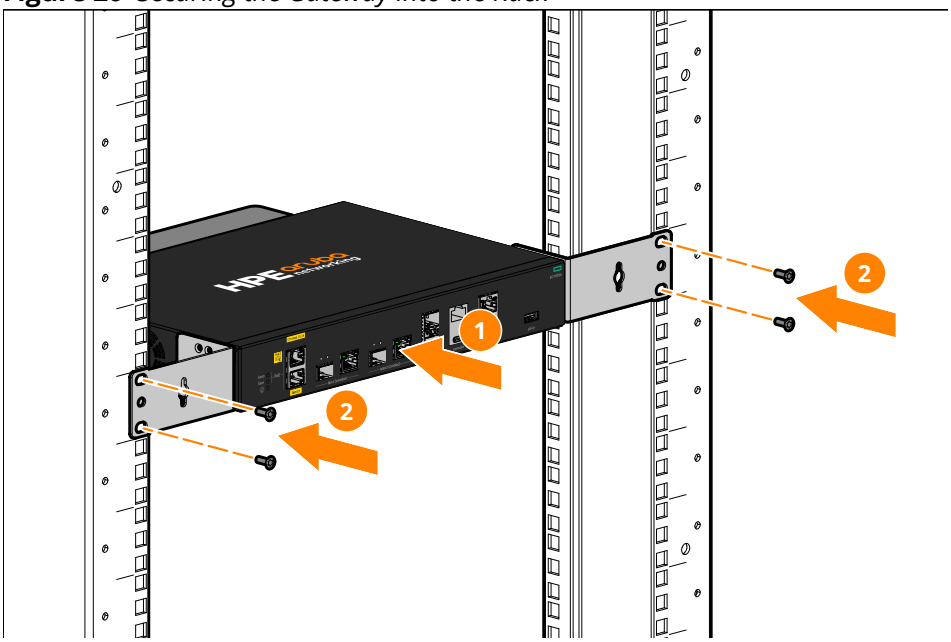


Figure 19 *AC Power Cord is Attached*



10. Mount the Gateway within your organization's rack system.
11. Use the four screws for the system rack mount (two per bracket) and a suitable screwdriver. See Figure 20.

Figure 20 *Securing the Gateway into the Rack*



NOTE

Leave a minimum of 10 cm (4 inches) of space on the left and right side of the device for proper air flow and ventilation. Leave additional space in the front and the back of the device to access network cables, LED status indicators, and power cord.

Installing the Gateway on a Table or Shelf

Required Tools and Equipment

- Rubber feet (included in the kit)

Installation Steps

1. Attach the rubber feet to the bottom of the Gateway. See Figure 21.

Figure 21 *Attaching Rubber Feet to the Gateway*

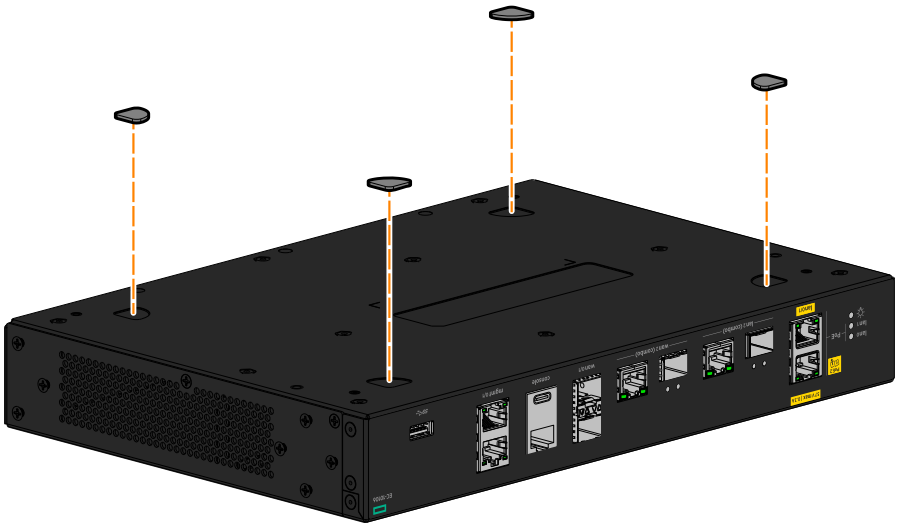


Figure 22 *Rubber Feet Attached to the Gateway*



2. Place the Gateway in the location you have chosen.

Wall Mounting the Gateway

The mounting brackets can also be used for wall mounting the EdgeConnect 10106 SD-WAN Gateway.

Required Tools and Equipment

The following tools and equipment are required for installing the Gateway:

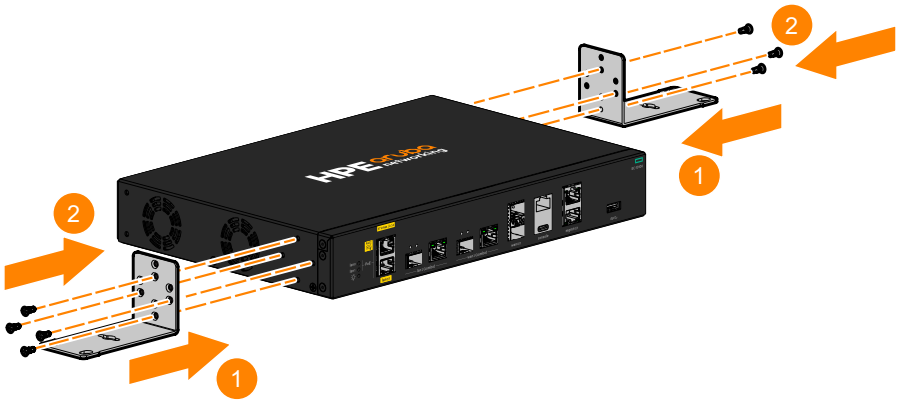
- Mounting brackets (x2) (included in the kit)
- Screws for mounting bracket (x7): M3 x 8 mm Phillips Flat Head Screws (included in the kit)
- Wall anchors
- Wall mounting screws
- Suitable screwdrivers for all screw types (not included in the kit)
- Rubber feet (included in the kit)

Installation Steps

1. Fasten the mounting brackets over the mounting holes on the sides of the Gateway using the seven screws for mounting brackets (four through one bracket, three through the other) and a suitable screwdriver.

   Orient the mounting brackets as shown in Figure 23.

Figure 23 *Attaching the Wall Mount Brackets*



2. Attach the rubber feet at the designated locations on the bottom side of the Gateway.
3. After you have chosen a mounting location, mark the locations on a wall where you intend to make the mounting holes.

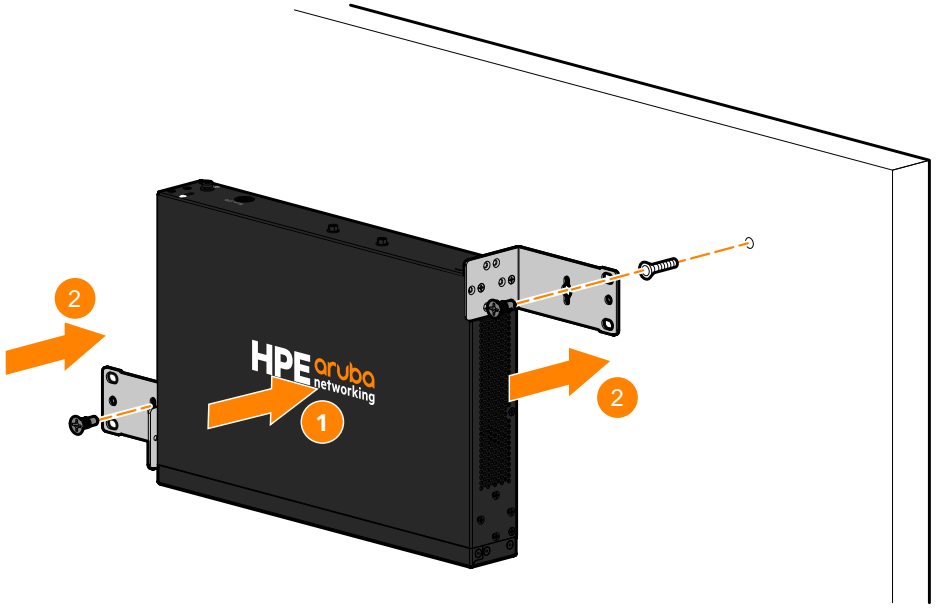
NOTE

Ensure that the Ethernet ports are facing down when installing the Gateway on a wall.

4. Create the holes and insert wall anchors if your installation requires them.
5. Align the mounting bracket holes with the holes you created on the wall. See Figure 24.

6. Use appropriate screws to secure the Gateway.

Figure 24 *Wall Mounting*



NOTE

IMPORTANT - READ THIS FIRST: You must install and register your Orchestrator with the HPE Aruba Networking Cloud Portal BEFORE setting up an EdgeConnect gateway. After Orchestrator is registered with your account name and key, you can proceed with EdgeConnect installation. If you don't know or are unsure about Orchestrator's role, contact your network architect or deployment lead.

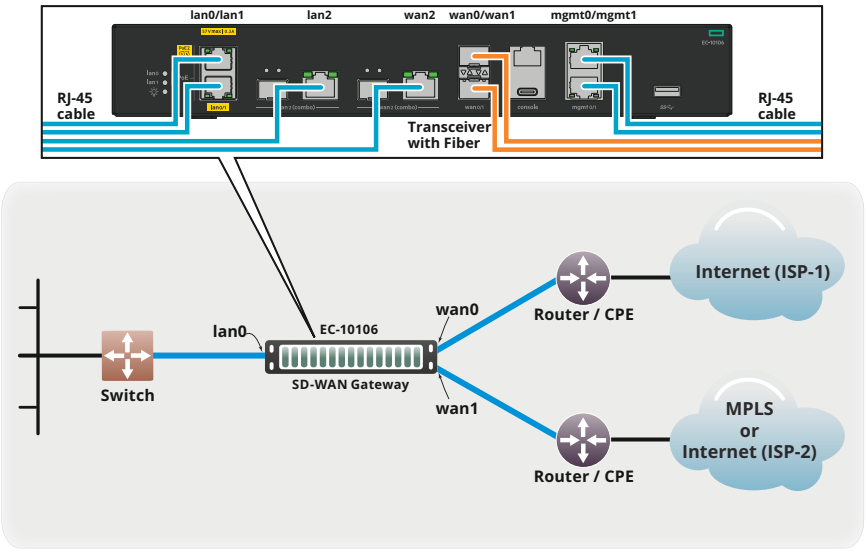
Install the Gateway into the Network

All copper RJ-45 Gigabit Ethernet interfaces in the EdgeConnect 10106 Gateway support MDI/MDI-X and auto-negotiation.

To install the Gateway into the network, perform the following:

1. Identify the relevant ports on the rear of the Gateway.
2. Connect network cables from the Gateway to the identified network equipment ports.

Figure 25 *Connecting the Gateway to Network Equipment Ports.*



Management Port Connectivity

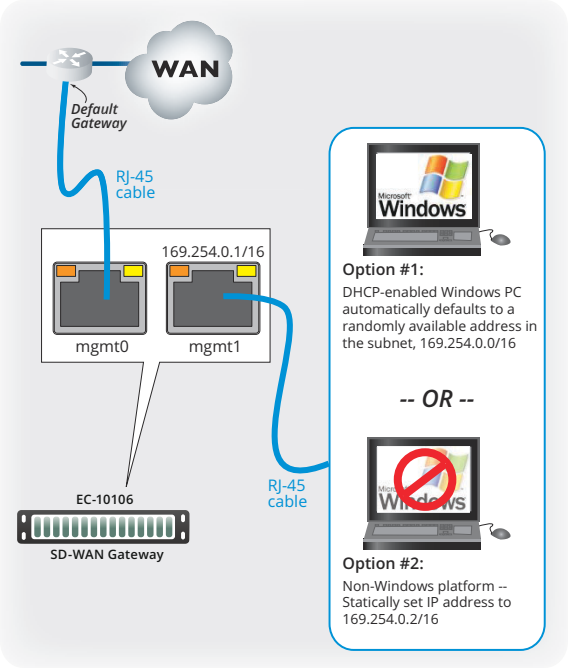
EdgeConnect 10106 Gateways provide management ports mgmt0 and mgmt1, described in Table 11.

Table 11 *EC-10106 SD-WAN Gateway Management Ports*

Management Port	Factory Default	Use Case
mgmt0	DHCP	A management network exists. Network administration can provide you the DHCP IP address based on MAC.
mgmt1	169.254.0.1/16	Establish management communications with the appliance by directly attaching a laptop with an RJ-45/CAT5 cable.

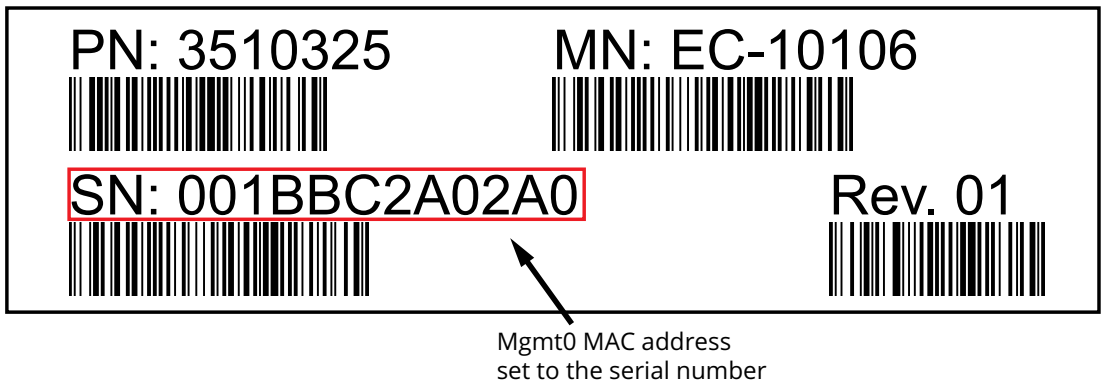
If the Gateway cannot be reached through the subnets attached to the LAN or WAN ports, the management ports can be used to achieve management communications with the Gateway.

Figure 26 *Connecting the Gateway to Network Equipment Ports.*



The mgmt0 port defaults to DHCP. When connected, the Gateway obtains an IP address provided by the local DHCP server. A network administrator can provide the mgmt0 IP address based on the MAC address, which is the same as the product serial number. This number is visible on the product label, as shown in Figure 27.

Figure 27 *Product Label and the Serial Number*



Connect the Power Cords

1. Connect the power adapter DC connector to the EC-10106 SD-WAN Gateway.
2. Plug the power cord female end to the power adapter and the male end to your local power source.

Turn the Power On

The Gateway powers up as soon as it is plugged into the local power source. On the front panel, verify the Power LED illuminates green.

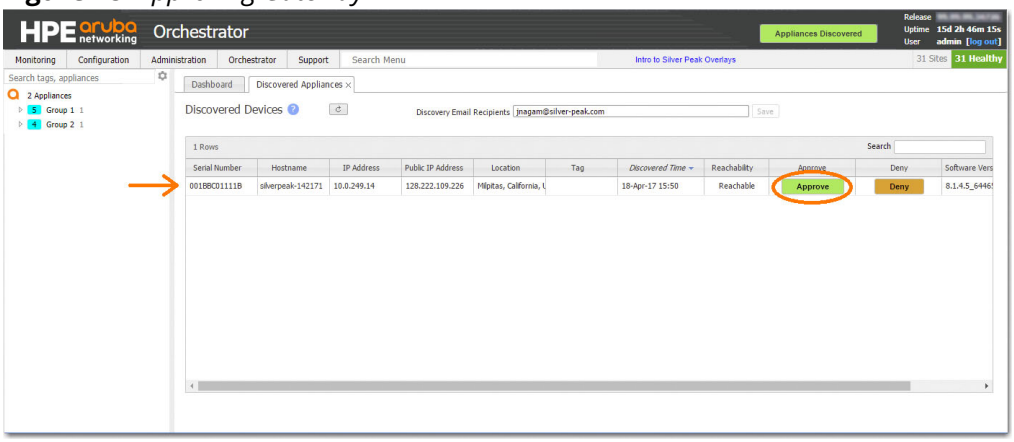
Approve the Discovered Appliance (Gateway)

After you power on the Gateway, it automatically registers its serial number with the Cloud Portal. The portal knows how to associate a serial number with a specific account.

1. Go to the Orchestrator.
2. In the header, click the blinking box named Appliances Discovered.

   The Discovered Appliances page opens, listing the most recently discovered appliances (gateways) first.

Figure 28 *Approving Gateway*



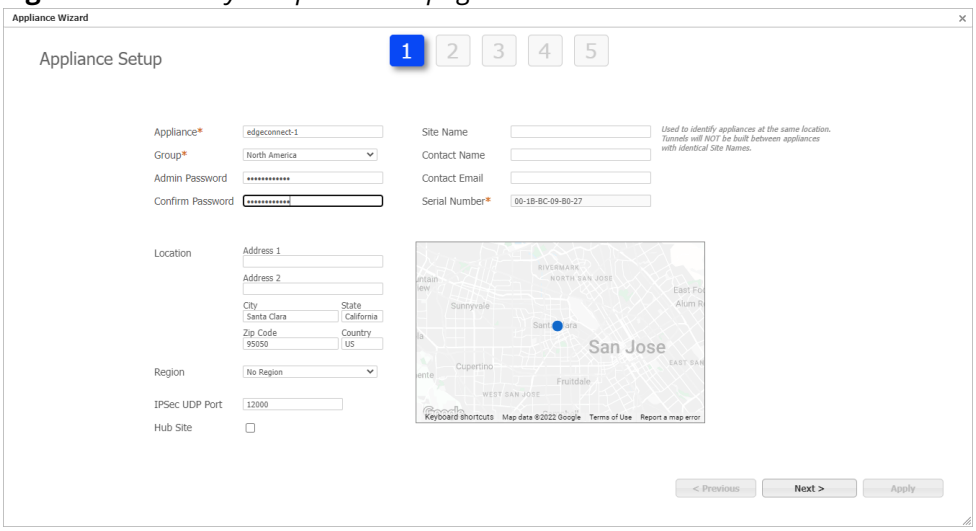
3. After verifying that the appliance is yours, click **Approve**.
4. Select the group and click **Apply**.

The Appliance Manager Configuration Wizard opens (Figure 29).

Complete the Appliance Manager Configuration Wizard

1. If you purchased EdgeConnect bandwidth licensing or EdgeConnect Boost and want to apply it to this appliance, select the relevant check box(es) on Wizard page 2 or the Deployment Profile page.

Figure 29 *Gateway Setup Wizard – page 1*



2. At the end, click **Apply**. It may take up to two minutes to register the appliance.
3. Complete the remaining wizard screens.

On the Deployment page's default configuration, the WAN–side interfaces use DHCP IP addresses, unless you manually enter static IP addresses.

Chapter 4
Specifications, Safety, and Compliance

EdgeConnect 10106 SD-WAN Gateway Specifications

Physical

- Device Dimensions (without mounting brackets) (HxWxD): 4.37 cm (1.72”) x 29.48 cm (11.61”) x 20.105 cm (7.92”)
- Device Weight: 2.305 kg (5.08 lbs)

Electrical

- Ethernet
  - 2 x 10/100/1000Base-T Auto-sensing Ethernet RJ45 port with PoE
  - 2 x 1G Combo ports (10/100/1000BASE-T Auto-sensing Ethernet RJ45 / 1G SFP Transceiver Cage)
  - 2 x 1G/10G SFP+ cage
- Power
  - 54V DC power interface, supports powering through a 54V DC, 3.05A 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

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

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 HPE Aruba Networking products. This document can be viewed or downloaded from the following location: www.arubanetworks.com/safety_addendum



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

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. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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

However, there is no guarantee that interference will not occur in particular installation. If this equipment dose cause harmful interference to radio or television reception, 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:

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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



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

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. ICES-3(B)/NMB-3(B).

Déclaration d'Industrie Canada

Cet appareil numerique de la class B respecte toutes les exigences du Reglement sur le materiel brouilleur du Canada.

Turkey RoHS material content declaration

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur.

India RoHS material content declaration

This product complies with the "India E-waste (Management) Rules, 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule II of the Rule.

China RoHS material content declaration

产品中有害物质的名称及含量
根据中国《电器电子产品有害物质限制使用管理办法》

部件名称	限用物质及其化学符号					
	铅 (Pb)	汞 (Hg)	镉(Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电池	O	O	O	O	O	O
传输线和网路线	O	O	O	O	O	O
断路器	X	O	O	O	O	O
冷却 & 加热系统	O	O	O	O	O	O
磁盘控制器	X	O	O	O	O	O
外部机箱	X	O	O	O	O	O
风扇	O	O	O	O	O	O
液晶显示器	X	O	O	O	O	O
硬盘 (HDD)	X	O	O	O	O	O
液压／气压系统	O	O	O	O	O	O
键盘	O	O	O	O	O	O
介质（CD/DVD/光盘驱动器）	O	O	O	O	O	O
记忆体	O	O	O	O	O	O
鼠标	O	O	O	O	O	O
其他机械组装设备	X	O	O	O	O	O
电源/电源适配器	X	O	O	O	O	O
印刷电路组件 (PCAs)	X	O	O	O	O	O
天线	X	O	O	O	O	O

本表格依据 SJ/T 11364 的规定编制

O：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下

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出 GB/T 26572 规定的限量要求

此表中所有名称中含“X”的部件均符合欧盟 RoHS 立法

注：环保使用期限的参考标识取决于产品正常工作的温度和湿度等条



除非另有标明，此电子电器产品有害物质限制使用(EPUP)标签适用于所有慧与公司服务器，网络，存储设备

台灣限用物質含有情況標示

單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr^{+6})	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
傳輸線和線材	O	O	O	O	O	O
外殼	–	O	O	O	O	O
記憶體	O	O	O	O	O	O
其他機械組裝設備	–	O	O	O	O	O
印刷電路零組件 (PCAs)	–	O	O	O	O	O
斷路器 (選配)	–	O	O	O	O	O
冷卻及加熱系統(選配)	O	O	O	O	O	O
風扇(選配)	O	O	O	O	O	O
存取裝置(HDD) (選配)	–	O	O	O	O	O
讀寫元件 (CD/DVD/ 磁碟機) (選配)	–	O	O	O	O	O
變壓器/電源供應器(選配)	–	O	O	O	O	O

備考 1. “O” 係指該項限用物質之百分比含量未超出百分比含量基準值。
備考 2. “–” 係指該項限用物質為排除項目。

選配單元使用於特定產品型號，詳細規格請參照產品說明書。

EU Regulatory Conformance

CE 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, it 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.

Battery Statements

CAUTION

Batteries, battery packs, and accumulators should not be disposed of together with the general household waste. To forward them to recycling or proper disposal. use the public collection system or return them to Hewlett Packard Enterprise, an authorized Hewlett Packard Enterprise Partner, or their agents. For more information about battery replacement or proper disposal, contact an authorized reseller or an authorized service provider.

CAUTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.
Remplacer uniquement avec une batterie due même type ou d'un équivalent recommandé par le constructeur.
Mettre au rebut les batteries usagées conformément aux unstruction du fabricant.

CAUTION

The battery supplied with this product may contain perchlorate material. Special handling may apply in California and certain other states. See www.dtsc.ca.gov/hazardouswaste/perchlorate for more information.

WARNING

There is a risk of explosion if battery is replaced by an incorrect type, so dispose used batteries according to the instructions.

Thailand



Regulatory Model Name

The regulatory model name for the EdgeConnect 10106 SD-WAN Gateway is SPEC-PR06.

Proper Disposal of HPE Aruba Networking 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 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). For details about the European Union (EU) WEEE Directive. see "WEEE Information for Users" on the website www.hpe.com/recycle.

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 HPE Aruba Networking 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.