HPE Aruba Networking 600R Series Remote Access Points

Installation Guide

Hewlett Packard Enterprise

Contents

Chapter 1
About This Guide

This document describes the hardware features of the HPE Aruba Networking 600R Series Remote Access Points. It provides a detailed overview of the physical and performance characteristics of each access point model and explains how to install the access point.

Guide Overview

- Hardware Overview provides a detailed hardware overview of the HPE Aruba Networking 600R Series Remote Access Points .
- Access Point Installation describes how to install the HPE Aruba Networking 600R Series Remote Access Points.
- Specifications, Safety, and Compliance lists the HPE Aruba Networking 600R Series Remote Access Points's technical specifications, safety, and regulatory compliance information.

Related Documentation

You require the following documents for the complete management of HPE Aruba Networking 600R Series Remote Access Points.

- Latest document of the software user guide: https://www.arubanetworks.com/techdocs/ArubaDocPortal/content/cons-aos-home.htm
- CLI bank: https://www.arubanetworks.com/techdocs/CLI-Bank/Content/Home.htm

Contacting Support

Table 1: *Contact Information*

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

Chapter 2
Hardware Overview

The HPE Aruba Networking 600R Series Remote Access Points are dual-radio tri-band 802.11ax Wi-Fi 6E remote access points that provide connectivity for both wired and wireless client devices.

Package Contents

The following materials are included with this product:

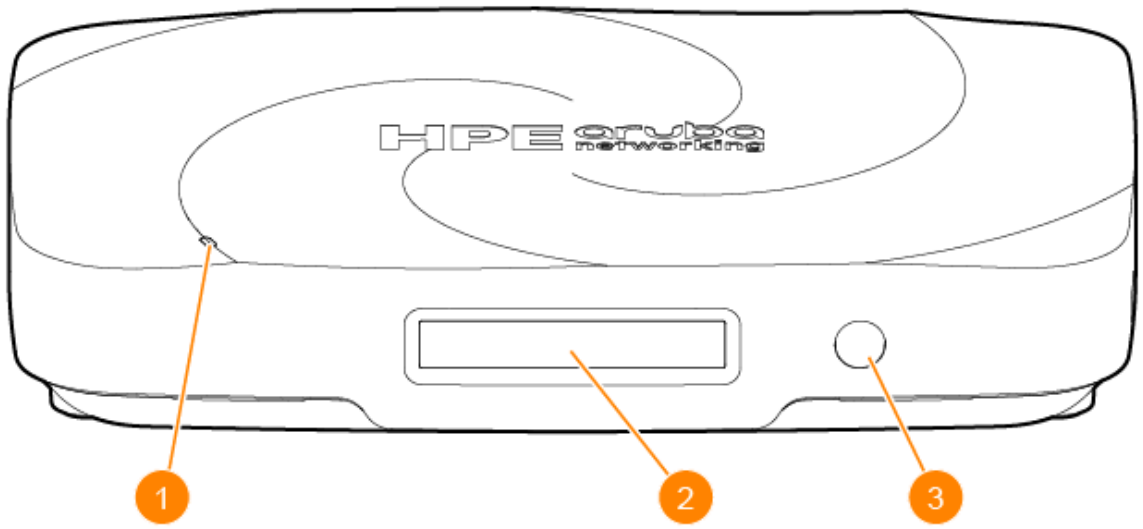
- AP-605R access point x 1
- AC-to-DC power adapter (with power cord) x 1
- (For AP-605R bundle only) AP-605CM12 LTE CAT12 cellular module (pre-installed) x 1

NOTE

To simplify the ordering, HPE Aruba Networking offers the AP-605R bundle that combines an AP-605R access point, a power adapter (with power cord) and a AP-605CM12 LTE CAT12 cellular module (pre-installed)

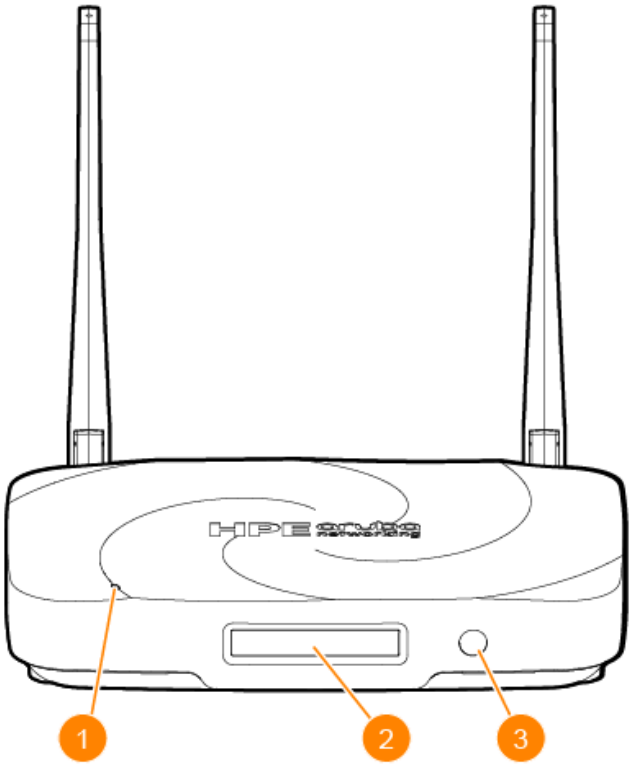
Front View

Figure 1 *AP-605R Front View*



1	System Status LED
2	LCD Panel
3	LCD Button

Figure 2 *AP-605R Bundle Front View*



1	System Status LED
2	LCD Panel
3	LCD Button

NOTE

The antennas of the LTE module are in a folded position when taken out of the package. To ensure the antennas function well, put the antennas in a vertical position as shown in .

System Status LED

The system status LED is located on the top panel of the access point indicates the system status of the access point.

Table 2: *System Status LED*

Color/State	Meaning
Off	Access point powered off
Green - blinking [1]	Access point booting, not ready
Green - solid	Access point ready, fully functional
Red	System error condition or thermal shutdown engaged - Immediate attention required

1. Blinking: one second on, one second off, 2 seconds cycle.

LED Display Settings

The LEDs have three operating modes that can be selected in the system management software:

- Normal mode: default after power on. Refer to Table 2.
- Off mode: the LED is off
- Blink mode: the LED blinks green

Pressing the reset button for less than 10 seconds during normal operation will toggle the LED mode between “normal” (default after power on) and “off” mode.

CAUTION

Pressing the reset button for longer than 10 seconds may cause the access point to reset and return to the factory default state.

LCD Screen

The LCD screen is located on the front panel of the access point. The LCD button is located on the right side of the screen and used to operate the LCD screen:

- When booted up, the LCD will display the home screen, which is HPE Aruba Networking logo by default, but it is configurable by the system management software.
- Short pressing the LCD button will scroll through the pages on the LCD screen. The LCD display will turn off after 10 seconds of inactivity.
- Long pressing the LCD button will adjust the LCD's backlight brightness.

After the AP is powered on, the LCD screen displays the following information:

- Home Screen
- AP Bootup Information
- AP Running Status

Home Screen

After the AP is powered on, the home screen will be displayed within 10 seconds. By default, the home screen is HPE Aruba Networking logo.

Figure 3 *LCD Home Screen*

The home screen can be customized by uploading a picture file to the /aruba/fs/lcd_home_screen folder on AP. The picture file must meet the following requirement:

- File type: monochrome bitmap
- File size: 256 x 32 pixels
- File name: image.bmp

AP Bootup Information

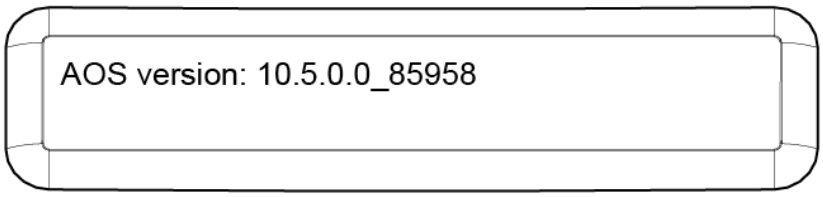
When the AP is booting up, the following bootup information will be displayed on the LCD screen:

- AOS version
- Connecting to network
- Obtaining IP address
- Connecting to Central

AOS version

The LCD screen will display the AOS version.

Figure 4 *AOS Version*

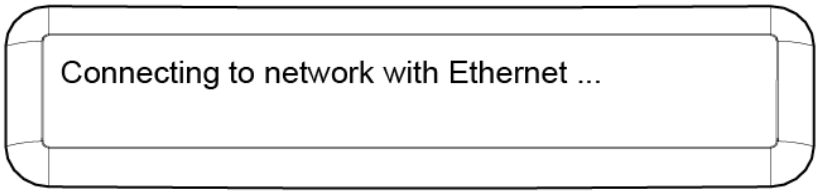


Connecting to network

When the AP is connecting to the network, the LCD screen will display one of the following output:

- "Connecting to network with Ethernet..."
- "Connecting to network with Wi-Fi..."
- "Connecting to network with Mesh..."
- "Connecting to network with Cellular..."

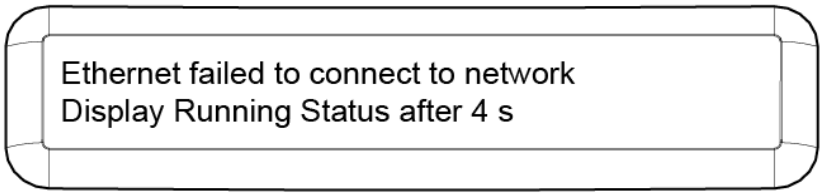
Figure 5 *Connecting to Network with Ethernet*



If the AP fails to connect to the network, the LCD screen will display one of the following output:

- "Ethernet failed to connect to network. Display Running Status after 5 s"
- "Wi-Fi failed to connect to network. Display Running Status after 5 s"
- "Mesh failed to connect to network. Display Running Status after 5 s"
- "Cellular failed to connect to network. Display Running Status after 5 s"

Figure 6 *Ethernet Failed to Connect to Network*

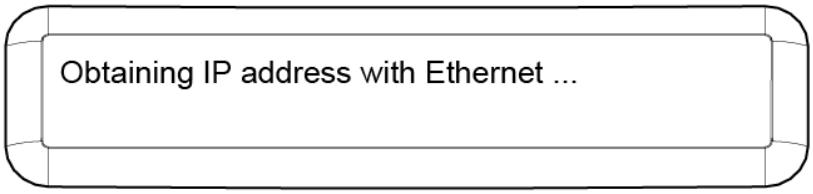


Obtaining IP address

When the AP is obtaining the IP address, the LCD screen will display one of the following output:

- "Obtaining IP address with Ethernet..."
- "Obtaining IP address with Wi-Fi..."
- "Obtaining IP address with Mesh..."
- "Obtaining IP address with Cellular..."

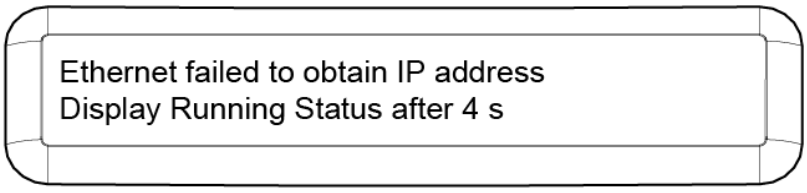
Figure 7 *Obtaining IP Address with Ethernet*



If the AP fails to obtain the IP address, the LCD screen will display one of the following output:

- "Ethernet failed to obtain IP address. Display Running Status after 5 s"
- "Wi-Fi failed to obtain IP address. Display Running Status after 5 s"
- "Mesh failed to obtain IP address. Display Running Status after 5 s"
- "Cellular failed to obtain IP address. Display Running Status after 5 s"

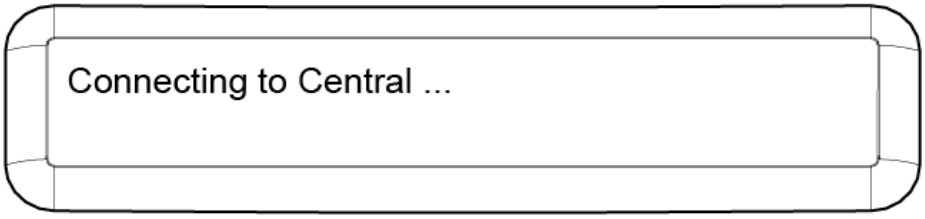
Figure 8 *Ethernet Failed to Obtain IP Address*



Connecting to Central

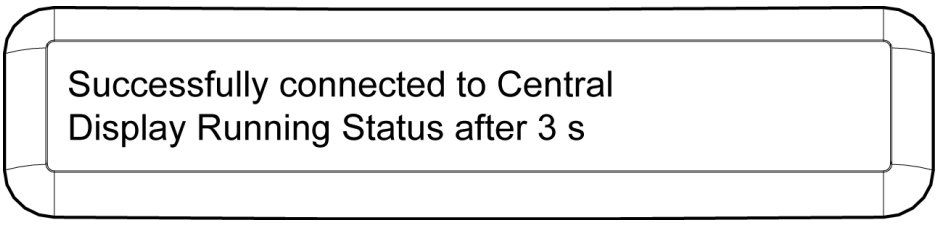
When the AP is connecting to Central, the LCD screen will display "Connecting to Central..."

Figure 9 *Connecting to Central*



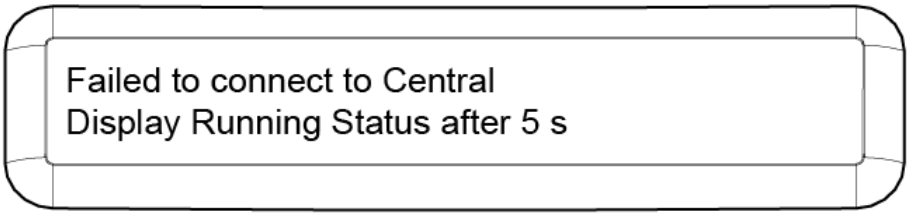
If the AP is successfully connected to Central, the LCD screen will display "Successfully connected to Central, Display Running Status after 5 s".

Figure 10 *Successfully Connected to Central*



If the AP fails to connected to Central, the LCD screen will display "Failed to connect to Central, Display Running Status after 5 s".

Figure 11 *Failed to Connect to Central*



AP Running Status

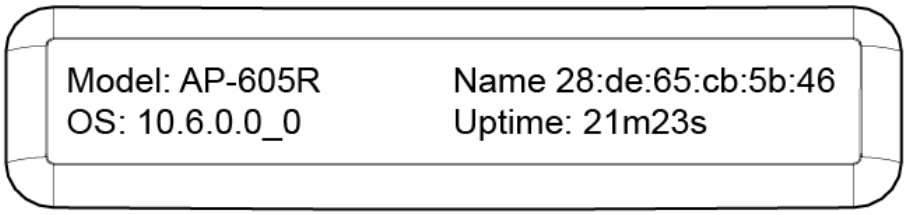
After AP is successfully connected to Central, or fails at any step in the AP bootup process, the LCD screen will display the home screen. Users can short press the LCD button to scroll through the following pages:

- System Information Page
- Network Information Page
- Ethernet Port Information Page
- WLAN Information Page
- USB Interface Information Page
- Modem Information Page

System Information Page

In this page, the LCD screen will display the following information:

Figure 12 *System Information Page*

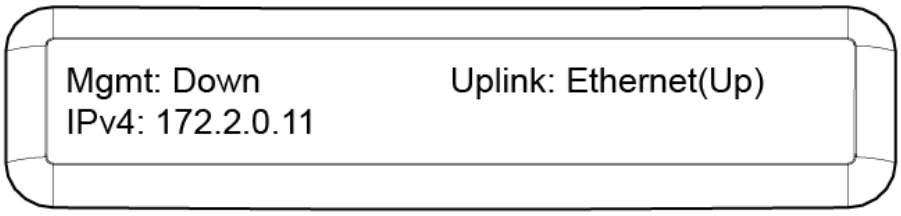


- Model
- AP name
- OS version
- AP uptime

Network Information Page

In this page, the LCD screen will display the following information:

Figure 13 *Network Information Page*

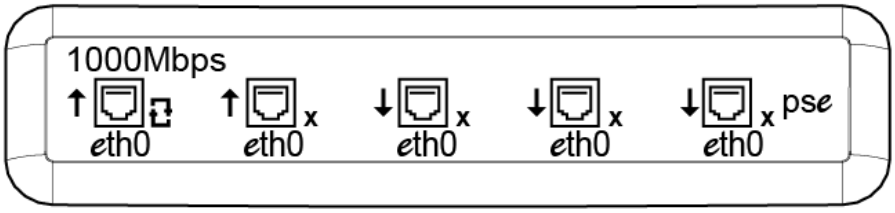


- Management : UP/Down
- Uplink: Ethernet/Cellular/Wi-Fi (UP/Down)
- IP address (IPv4/IPv6)

Ethernet Port Information Page

In this page, the LCD screen will display the following information:

Figure 14 *Ethernet Port Information Page*



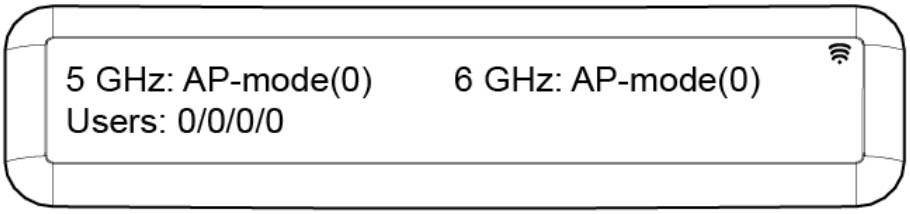
- Speed (10/100/1000/2500/5000 Mbps)
- Uplink port or downlink port (indicated by up arrow icon, or down arrow icon on the left side of each port icon)

- Connected or disconnected port (indicated by "X" icon, or icon on the right side of each port icon)
- Support PSE feture or not (indicated by "pse" text on the right side of the port that suppots PSE)

WLAN Information Page

In this page, the LCD screen will display each band or radio status information:

Figure 15 *Wlan Information Page*



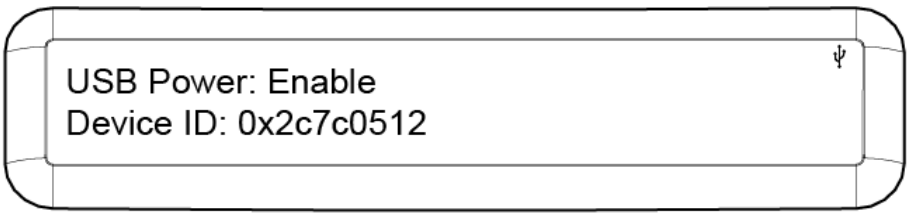
- Band: 2.4 GHz / 5 GHz / 6 GHz
- Mode type: AP-mode/AM-mode/Spectrum/mesh-point/Wi-Fi. The value in the bracket means the number of clients per band/radio.
- Users: the number of 11ax/11ac/11n/legacy clients on all radios
- Essid: Wi-Fi uplink ESSID. ESSID is displayed only when Wi-Fi uplink is configured.

If all radios are down, the LCD screen will display "All Radios are Down"

USB Interface Information Page

In this page, the LCD screen will display the USB interface power status, The USB device ID.

Figure 16 *USB Interface Information Page*



- USB Power: Enable/Disable
- Device ID

If there is no USB device connected to the AP's USB interface, the LCD screen will display "Device ID: N/A"

Modem Information Page

In this page, the LCD screen will display the modem status.

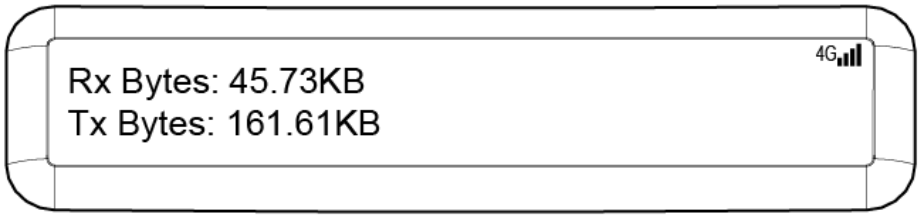
If there is no modem plugged in the USB interface, the LCD screen will display "No USB modem attached".

If this is an modem plugged in the USB interface, but it is not used as uplink port, the LCD screen will display "Modem link is not used".

If the Modem link is up, the LCD screen will display the related information in two page.

Figure 17 *Modem Information Page (First Page)*

Figure 18 *Modem Information Page (Second Page)*



In the first page, it will display the following information:

- Internal Modem/External Modem
- Wireless Service Provider name
- Band information
- SIM card status: "SIM_ABSENT" or "SIM_READY"

In the second page, it will display the following information:

- Rx Bytes
- Tx Bytes

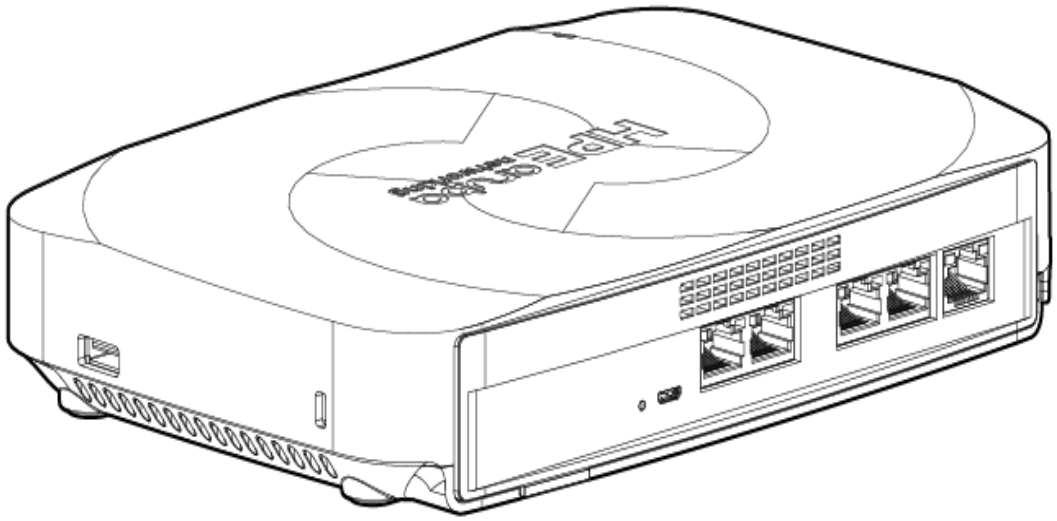
If the Modem link is down, the LCD screen will display the following information in one page:

- Internal Modem/External Modem
- Wireless Service Provider name
- Band information
- SIM card status: "SIM_ABSENT" or "SIM_READY"

On the top right corner of the LCD screen, it displays an icon 4G to show the link status (up or down), network mode (3G or 4G), and signal strength.

Back and Side View

Figure 19 *600R Series Rear and Side View*



1	Reset Button
2	Micro-B Console Port
3	E0 Ethernet Port (Orange)
4	E1 Ethernet Port (Orange and Blue)
5	E2 Ethernet Port (Blue)
6	E3 Ethernet Port (Blue)
7	E4 Ethernet Port (Red)
8	USB Interface
9	Kensington Lock Slot

Reset Button

The reset button can be used to reset the access point to factory default settings or turn off/on the LED display.

Use one of the following methods to reset the access point to factory default settings:

- To reset during normal operation:
  - Hold the reset button for more than 10 seconds while the access point is running.
  - Release the reset button.
- To reset during power up, hold the reset button while the access point is powering up.

The system status LED will flash again within 15 seconds indicating that the reset is completed. The access point will now continue to boot with the factory default settings.

To toggle the system status LED between “normal” (default after power on) and “off” mode, during the normal operation of the access point, shortly press the reset button for less than 10 seconds.

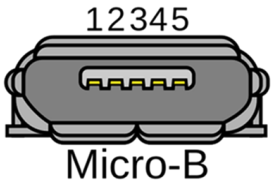
Micro-B Console Port

To create a console connection to the access point, follow these steps:

1. Connect the console port on the access point to the serial port on the computer using the proprietary HPE Aruba Networking AP-CBL-SERU cable or AP-MOD-SERU module, which need to be purchased separately.
2. Start the terminal emulation software on the computer and configure a new serial session with the following settings:
   - Speed: 9600 bps
   - Data bits: 8
   - Stop bits: 1
   - Parity: None
   - Flow control: None
3. Start the terminal emulation session.
4. Press **Enter** once. If the connection is sucessful, you are prompted to login.

For this console port pin-out details, refer to Figure 20.

Figure 20 *Micro-B Console Port Pin-out*



1: NC
2: RXD
3: TXD
4: GND
5: GND

If needed, the AP console driver can be found at the HPE Aruba Networking support portal.

When the access point is in factory default state the console interface (both physical port and BLE) is enabled with default credentials (username is “admin” and password is the serial number of the unit). Once the AP has established a connection with its management platform, the console port state (enabled/disabled) and access credentials are updated to match what’s configured there. State and credentials are maintained if the AP is power-cycled or rebooted.

Ethernet Ports

The 600R Series access point has five Ethernet ports (E0 - E4), shown in Figure 19.

- The E0 port is a 100/1000Base-T auto-sensing MDI/MDIX uplink port .
- The E1 port is a 100/1000/2500Base-T auto-sensing MDI/MDIX port, which can be configured as a secondary uplink port or downlink port by system management software.
- The E2- E4 ports are 100/1000Base-T auto-sensing MDI/MDIX downlink ports. E4 port is the PoE out port and capable to supply PoE power to a 802.3af-compliant device that is phisically connected to the E4 port by Ethernet cable.

Ethernet Port LEDs

Each of the E0-E3 ports has one LED located on the left side, indicating the network status or activity on the port.

The E4 port has two LEDs located on both sides, the left LED indicating the network status or activity on the port, while the right LED indicating the PoE powering status when the access point is operating as a Power Sourcing Equipment (PSE). See Figure 19 and Table 3

Table 3: *Ethernet Port LEDs*

LED	Color/State	Meaning
Left	Off	Meet one of the following conditions: ■ access point is powered off ■ port is disabled ■ no link established
	Green - blinking	Activity detected on the port
	Green - solid	Link established at optimum speed (1Gbps or 2.5Gbps)
	Amber - solid	Link established at reduced speed (100Mbps)
Right (E4 only)	Off	Meet one of the following conditions: ■ access point is powered off ■ access point is not supplying PoE power
	Green - blinking	Access point is negotiating PoE power with the device connected to this port.
	Green - solid	Access point is supplying PoE power to the device connected to this port.

USB interface

The USB 2.0 USB-A interface is compatible with selected cellular modems and other peripherals. When active, this USB interface can supply up to 5W/1A to a connected device.

When the access point is in factory default state the USB host interface is powered and enabled, assuming the AP is not in a restricted power mode. On some AP models the USB port may be disabled when a POE source with insufficient power budget is used. Once the AP has established a connection with its management platform, the USB host interface state is updated to match what's configured there. This state is maintained if the AP is power-cycled or rebooted.

BLE Radio Default State

When the access point is in factory default state the integrated BLE radio is enabled. This applies to the non-TAA product SKUs only. On the TAA products, the BLE radio is disabled when the unit is in factory default conditions. Once the AP has established a connection with its management platform, the BLE radio state is updated to match what's configured there. This state is maintained if the AP is power-cycled or rebooted.

Kensington Lock Slot

The access point is equipped with a Kensington lock slot for additional physical security.

DC Power Port

The DC power port is designed for use with the HPE Aruba Networking AP-AC2-48C power adapter (included in the package).

After inserting the L-shape DC connector into the DC power port, users can rotate the DC connector by 90 degrees and route the power cord to the left of the DC power port. See Figure 21 and Figure 22.

Figure 21 *Connecting Power Adapter to DC Power Port*

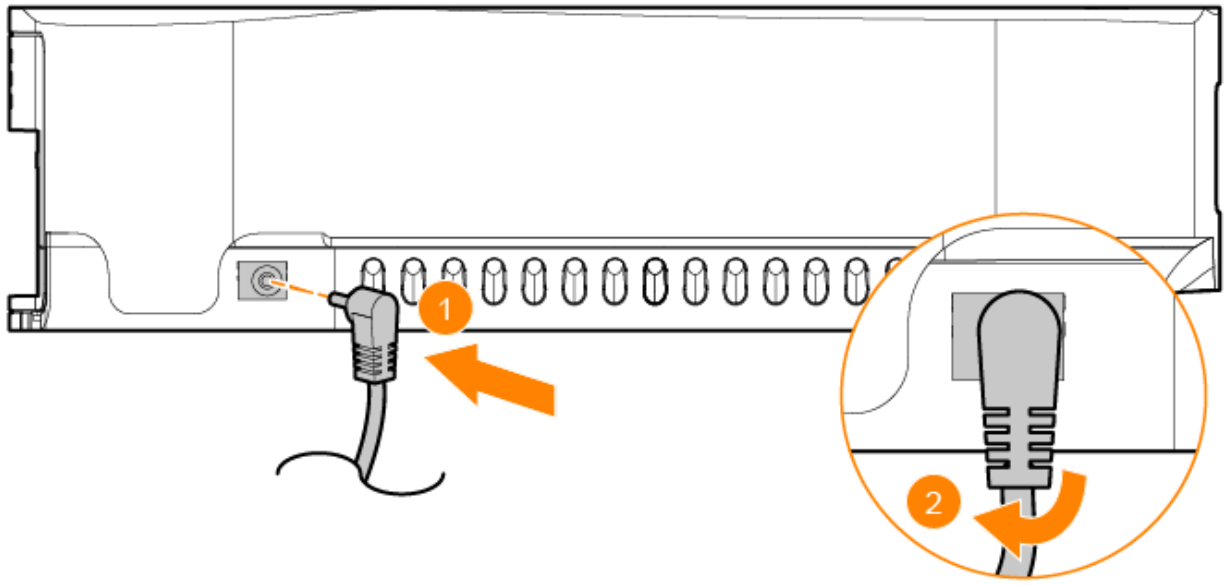
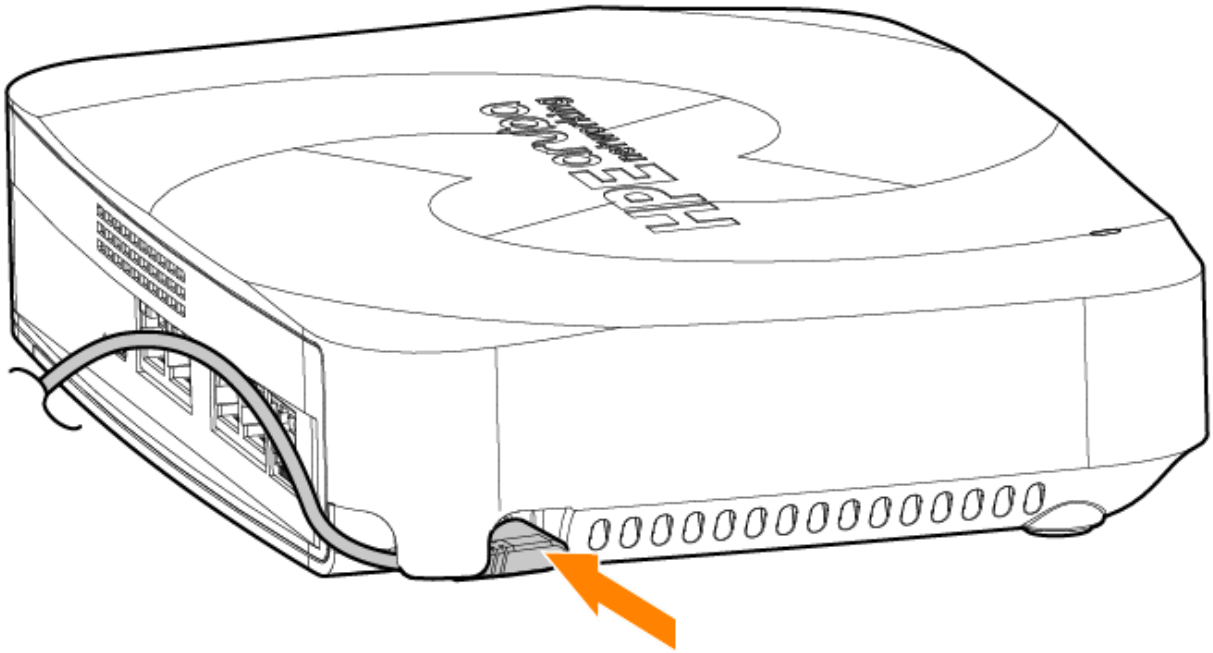


Figure 22 *Routing Power Cord*



CAUTION

All HPE Aruba Networking access points should be professionally installed by a professional installer. The installer is responsible for meeting applicable national and electrical codes. Failure to properly install this product may result in physical injury and/or damage to property.

CAUTION

Tous les points d'accès HPE Aruba Networking doivent impérativement être installés par un professionnel agréé. Ce dernier doit s'assurer que l'appareil est mis à la terre et que le circuit de mise à la terre est conforme aux codes électriques nationaux en vigueur. Le fait de ne pas installer correctement ce produit peut entraîner des blessures corporelles et / ou des dommages matériels.

CAUTION

For indoor use only. The access point, power adapter, and all connected cables are not to be installed outdoors. This stationary device is intended for stationary use in partly temperature controlled weather-protected environments (class 3.2 per ETSI 300 019).

You can put the 600R Series access point on any flat surface such as a desktop.

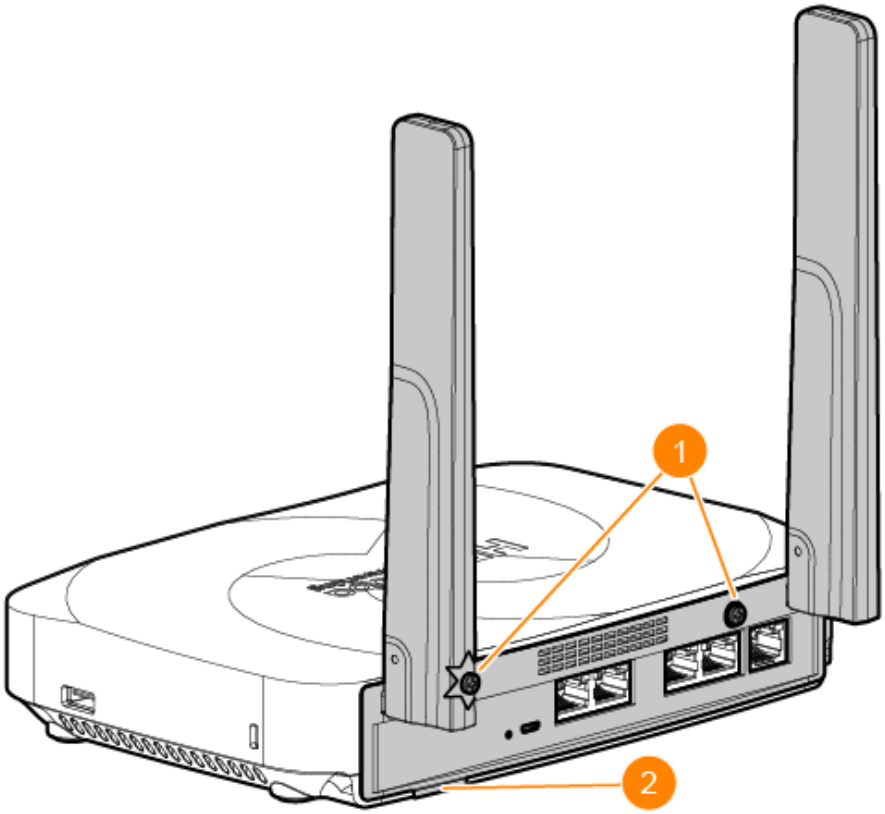
Installing the SIM Card (For AP-605R Bundle Only)

To use the AP-605CM12 cellular module, you need to install a SIM card to the SIM card tray on the AP-605CM12 cellular module. The SIM card tray has two SIM card slots - SIM slot 1 and SIM slot 2. At any given time, only one SIM card is active and functional, the SIM slot 1 and SIM slot 2 can not be used simultaneously. If you have only one SIM card, it is recommended to insert your SIM card to the SIM slot 1.

To install a SIM card into the SIM tray, perform the following steps:

1. Remove the AP-605CM12 cellular module from the AP-605R access point.
   a. Unfasten the two M3 captive screws using a Phillips screwdriver
   b. Press the mounting tab on the cellular module, and pull the cellular module out. See Figure 23.

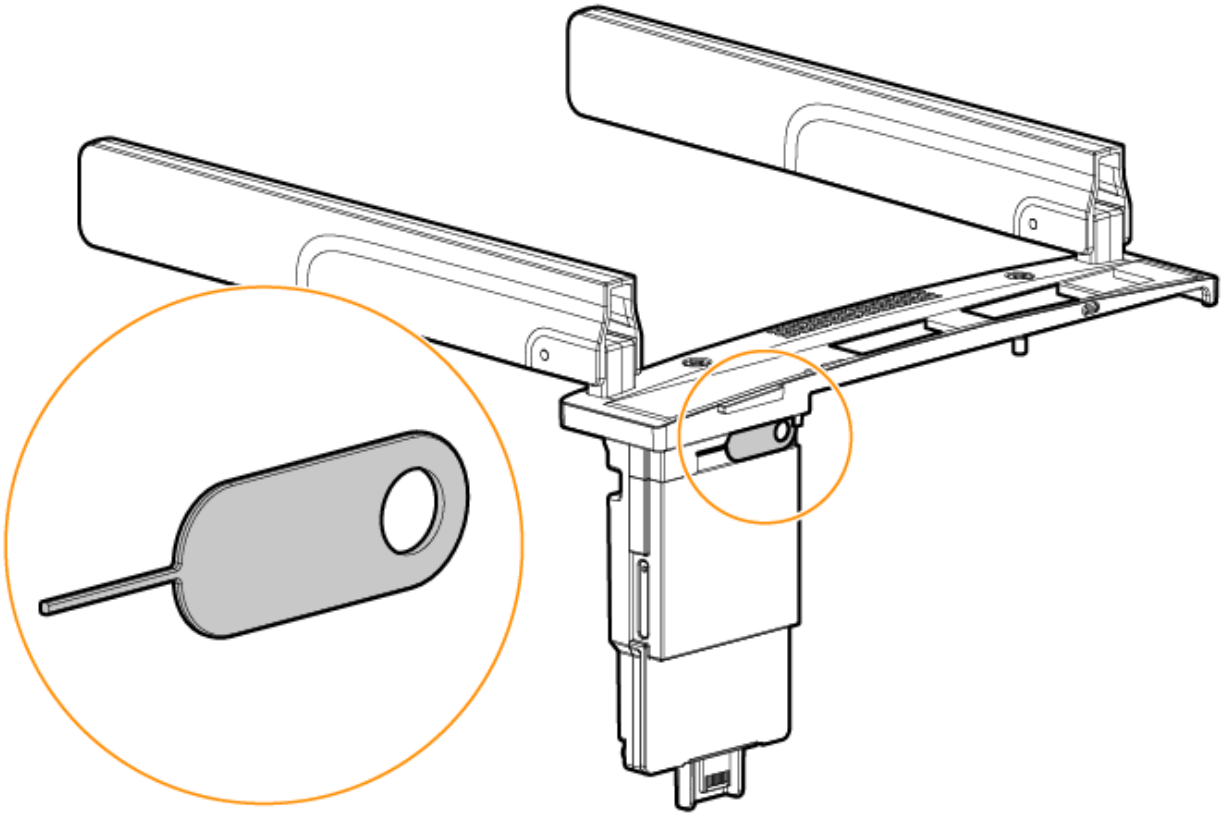
Figure 23 *Removing Cellular Module from the Access Point*



1	Captive screws
2	Mounting tab

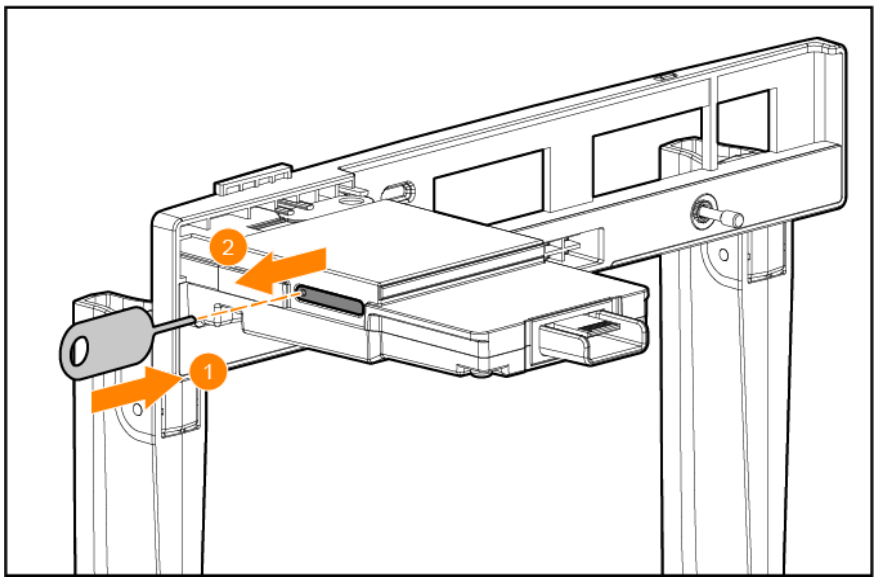
2. Find the SIM ejector needle at the bottom of the cellular module. See 2

Figure 24 *SIM Ejector Needle Location*



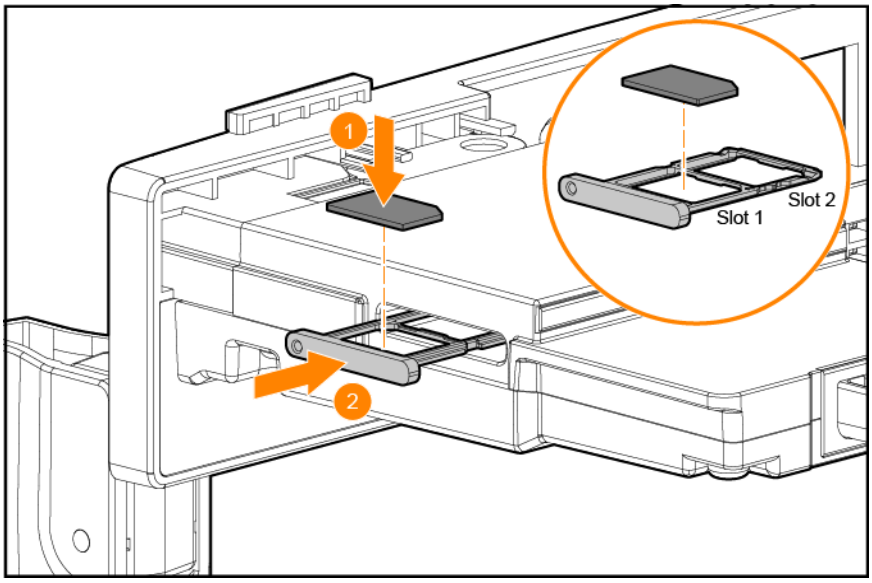
3. Insert the SIM ejector needle into the small hole on the SIM card tray. The SIM card tray will pop open. See Figure 25.

Figure 25 *Opening the SIM Card Tray*



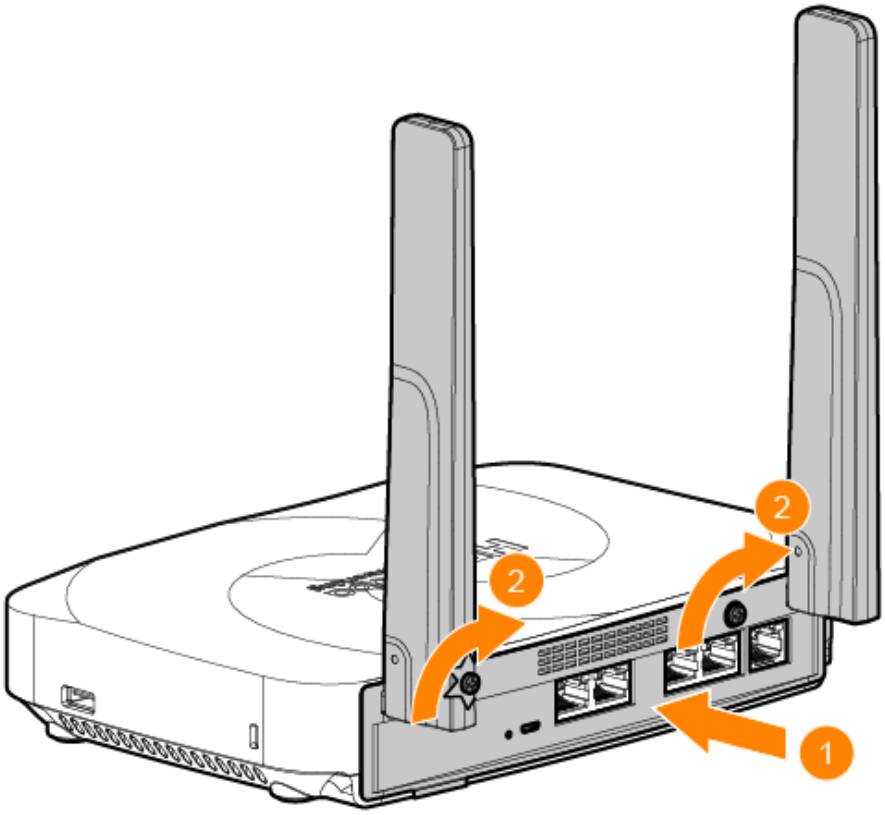
4. Pull out the SIM card tray and insert a SIM card into the SIM tray.
5. Push the SIM card tray back into the slot. See Figure 26.

Figure 26 *Inserting a SIM Card*



6. Align the AP-605CM12 cellular module with the opening in the access point.
7. Insert the AP-605CM12 cellular module into the access point and tighten the two M3 captive screws using a Phillips screwdriver. See Figure 27.

Figure 27 *Installing Cellular Module onto Access Point*



Software

For instructions on choosing operating modes and initial software configuration, refer to the AP Software Quick Start Guide.

HPE Aruba Networking access points are classified as radio transmission devices, and are subject to government regulations of the host country. The network administrator(s) is/are responsible for ensuring that configuration and operation of this equipment is in compliance with their country's regulations. For a complete list of approved channels in your country, refer to the HPE Aruba Networking Downloadable Regulatory Table at https://www.arubanetworks.com/techdocs/DRT/content/home.htm.

Verifying Post-Installation Connectivity

The integrated LEDs on the access point can be used to verify that the access point is receiving power and initializing successfully. See , and .

Chapter 4
Specifications, Safety, and Compliance

This chapter provides an overview of the HPE Aruba Networking 600R Series Remote Access Points specifications, safety, and compliance information.

Electrical

- Ethernet:
  - E0 port: 100/1000Base-T auto-sensing MDI/MDX wired RJ45 network connectivity port
  - E1 port: 100/1000/2500Base-T auto-sensing MDI/MDX wired RJ45 network connectivity port
  - E2 port: 100/1000Base-T auto-sensing MDI/MDX wired RJ45 network connectivity port
  - E3 port: 100/1000Base-T auto-sensing MDI/MDX wired RJ45 network connectivity port
  - E4 port: 100/1000Base-T auto-sensing MDI/MDX wired RJ45 network connectivity port, supporting PoE-PSE to a 802.3af-compliant device.
- Power
  - 48V DC power interface, support powering through AC-to-DC power adapter
  - Maximum power consumption: Refer to datasheet

Environmental

- Operating
  - Temperature: 0°C to +40°C (+32°F to +104°F)
  - Humidity: 5% to 95% non-condensing
- Storage
  - Temperature: -25ºC to 55ºC (-13ºF to 131ºF)
  - Humidity: 10% to 100% non-condensing

Regulatory Information

For the purpose of regulatory compliance certifications and identification, this product has been assigned a unique regulatory model number (RMN). The regulatory model number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to this regulatory model number. The regulatory model number RMN is not the marketing name or model number of the product.

The following regulatory model numbers apply to the 600R Series

- AP-605R RMN: APINR605
- AP-605CM12 RMN: APINCM12

Changes or modifications 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.

Safety and Regulatory Compliance

FCC Statement: Improper termination of access points installed in the United States configured to non-US model controllers will be in violation of the FCC grant of equipment authorization. Any such willful or intentional violation may result in a requirement by the FCC for immediate termination of operation and may be subject to forfeiture (47 CFR 1.80).

RF Radiation Exposure Statement: This equipment complies with RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 7.87 inches (20 cm) between the radiator and your body for 2.4 GHz, 5 GHz, and 6GHz operations. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration e la concernant l'exposition aux rayonnements à fréquence radioélectrique: Cet appareil est conforme aux limites d'exposition aux rayonnements FR établies par la FCC. Il doit être installé et utilisé à une distance minimale de 20 cm (7.87 pouces) entre le radiateur et votre corps, qu'il opère sur la bande 2,4 GHz, 5 GHz, ou 6GHz. Cet émetteur ne doit pas être installé ou utilisé à proximité immédiate d'une autre antenne ni d'un autre transmetteur.

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology.

Brazil

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

Para mais informações, consulte o site da Anatel: https://www.gov.br/anatel/pt-br

O uso deste equipamento é restrito a ambientes fechados e proibido em plataformas petrolíferas, carros, trens, embarcações e no interior de aeronaves abaixo de 3.048 m (10.000 pés).

Canada

This Class B digital apparatus meets all of the requirements of the Canadian Interference-Causing Equipment Regulations.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(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.

When operated in 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.

a). Operation shall be limited to indoor use only;

(b). Operation on oil platforms, cars, trains, boats and aircraft shall be prohibited except for on large aircraft flying above 10,000 ft.

Canada

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

Cet appareil contient des émetteurs / récepteurs exemptés de licence qui sont conformes aux RSS exempts de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis 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.

En cas d'utilisation dans la plage de fréquences de 5,15 à 5,25 GHz, cet appareil doit uniquement être utilisé à intérieur afin de réduire les risques d'interférence avec les systèmes satellites mobiles partageant le même canal.

(1) Le fonctionnement doit être limité à une utilisation en intérieur uniquement ;

(2) L'exploitation sur les plates-formes pétrolières, les voitures, les trains, les bateaux et les aéronefs est interdite, sauf pour les gros aéronefs volant au-dessus de 10 000 pieds.

EU and UK Regulatory Conformity

The Declaration of Conformity made under Radio Equipment Directive 2014/53/EU as well as the United Kingdom's Radio Equipment Regulations 2017/UK is available for viewing below. Select the document that corresponds to your device's model number as it is indicated on the product label.

- EU & UK Declaration of Conformity

Compliance is only assured if the HPE Aruba Networking approved accessories as listed in the ordering guide are used.
https://www.arubanetworks.com.

Wireless Channel Restrictions

5150-5350MHz band is limited to indoor only in the following countries; Austria (AT), Belgium (BE), Bulgaria (BG), Croatia (HR), Cyprus (CY), Czech Republic (CZ), Denmark (DK), Estonia (EE), Finland (FI), France (FR), Germany (DE), Greece (GR), Hungary (HU), Iceland (IS), Ireland (IE), Italy (IT), Latvia (LV), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Malta (MT), Netherlands (NL), Norway (NO), Poland (PL), Portugal (PT), Romania (RO), Slovakia (SK), Slovenia (SL), Spain (ES), Sweden (SE), Switzerland (CH), Turkey (TR), United Kingdom (UK (NI)).

Radio	Frequency Range MHz	Max EIRP
BLE/Zigbee	2402-2480	9 dBm
Wi-Fi	2412-2472	20 dBm
	5150-5250	23 dBm
	5250-5350	23 dBm
	5470-5725	30 dBm
	5725-5850	14 dBm
	5945-6425	23 dBm

CAUTION

Lower power radio LAN product operating in 2.4 GHz and 5 GHz bands. Please refer to the ArubaOS User Guide/Instant User Guide for details on restrictions.

European Union and United Kingdom

This device is limited for indoor use. Use in trains with metal-coated windows (or similar structures made of materials with comparable attenuation characteristic) and aircraft is permitted. Operations in the 6GHz band are blocked by firmware for some countries pending adoption of spectrum. Refer to Aruba DRT release notes for details.

Japan

ご使用になっている装置に VCCI マークが付いていましたら、次の説明文をお読み下さい。

この装置は、クラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B

Korean

Class B equipment

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

México

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 debeaceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

Нормативные требования Евразийского Экономического Союза

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 Kazakhstan': ТОО «Хьюлетт-Паккард (К)», Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 50

Kazakhstan

ЖШС "Хьюлетт Паккард Энтерпрайз" Ресей Федерациясы, 125171, Мәскеу, Ленинград тас жолы, 16А блок 3, Телефон: +7 499 403 4248 Факс: +7 499 403 4677

ЖШС «Хьюлетт-Паккард (К)», Қазақстан Республикасы, 050040, Алматы к., Бостандык ауданы, Әл-Фараби даңғ ылы, 77/7, Телефон/факс: +7 (727) 355 35 50

Ukraine

Hereby, Hewlett Packard Enterprise Company declares that the radio equipment type [The Regulatory Model Number [RMN] for this device can be found in the Regulatory Information section 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.

Х'ЮЛЕТТ ПАКАРД ЕНТЕРПРАЗ, 6280 АМЕРИКА ЦЕНТР Д-Р, САН-ХОСЕ, КАЛІФОРНІЯ 95002, США

Taiwan

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。

1. 應避免影響附近雷達系統之操作。

2.高增益指向性天線只得應用於固定式點對點系統

3.電磁波暴露量 MPE 標準值 1 mW/cm^2, 送測產品實測值為 : 0.0829 mW/cm^2 (没有LTE模组) 或 0.0997 mW/cm^2 (安装LTE模组)

UKCA

EU & UK Regulatory Contact:

HPE, Postfach 0001,1122 Wien, Austria

United States

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for help.

Improper termination of access points installed in the United States configured to a non-US model controller is a violation of the FCC grant of equipment authorization. Any such willful or intentional violation may result in a requirement by the FCC for immediate termination of operation and may be subject to forfeiture (47 CFR 1.80).

The network administrator(s) is/are responsible for ensuring that this device operates in accordance with local/regional laws of the host domain.

CAUTION

FCC regulations restrict the operation of this device to indoor use only.

CAUTION

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet.

CAUTION

Operation in the 5.9725-7.125GHz band is prohibited for control of or communication with unnamed aircraft systems.

Medical

1. Equipment not suitable for use in the presence of flammable mixtures.
2. Connect to only IEC 60950-1 or IEC 60601-1 certified products and power sources. The end user is responsible for the resulting medical system complies with the requirements of IEC 60601-1.
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 HPE Aruba Networking approval.