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HPE Aruba Networking 650 Series Campus Access Points User Guide

**HPE Aruba Networking
650 Series Campus
Access Points
Startup Guide
Hewlett Packard
Enterprise**

Contents

650 Series Campus Access Points

HPE Aruba Networking 650 Series Campus Access Points are high-performance devices that can be deployed in either controllerbased or controller-less network environments. These access points support the 802.11ax standard in the 2.4 GHz, 5 GHz, and 6 GHz bands with a 4×4 MIMO tri-radio Wi-Fi 6E platform. Additionally, the 650 Series provides dual wired 5 Gbps Smart Rate Ethernet network interfaces that enhance their performance and client capacity.

Package Contents

The following materials are included with this product:

- AP-654 or AP-655 Access Point

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

Installation

This device must be professionally installed and serviced by a certified and trained technician. To install this device, refer to the HPE Aruba Networking 650 Series Installation Guide by scanning the QR code in this section or selecting Software & Documents>Access Points (AP & IAP) at **asp.arubanetworks.com**.

https://asp.arubanetworks.com/downloads;search=6

The following are the default AP management credentials for logging in:

- Username: admin
- Password: <Serial number of the AP>

Software

For instructions on initial setup and software configuration, refer to the latest version of the AP Software Quick Start Guide by scanning the QR code in this section, or visiting asp.arubanetworks.com, then selecting > Software & Documents.

https://asp.arubanetworks.com/

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.

Regulatory Compliance

An upgrade to the AP firmware and/or downloadable regulatory table (DRT) file to the latest available version is recommended. This ensures that the AP supports the most up-to-date set of countries and regulatory specifications.

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 this device operates in accordance with all

local/regional laws of the host domain. Access points must use channel assignments appropriate to the domain in which the access point is deployed.

For a complete list of approved devices for by your country domain, refer to the HPE Aruba Networking Downloadable Regulatory Table Release Note by scanning the QR code in this section, or visiting **www.arubanetworks.com/techdocs/DRT/Default.htm**.

http://www.arubanetworks.com/techdocs/DRT/Default.htm

The regulatory model numbers (RMN) for the HPE Aruba Networking 650 Series are:

- AP-654 RMN: APIN0654
- AP-655 RMN: APIN0655

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

802.11ax operations must be switched off in countries that don't currently allow 802.11ax and it is up to the installer to comply with this legal requirement.

Canada

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.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

For the 6 GHz band, AP-654 is pending approval in the US (5925- 6425 MHz and 6525-6875 MHz) and Canada (5925-6875 MHz) for Standard Power operations (in conjunction with an Automated Fre-quency Coordination [AFC] system). Other countries may also approve this Standard Power use in the future. Please check the 650 Series installation Guide for the latest status on Standard Power reg-ulatory approvals at

www.arubanet-works.com/techdocs/hardware/aps/ap655/ig/650_Series_ Installation_Guide_EN.pdf.

EU & UK Regulatory Conformity

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

mw EU &UK Declaration of Conformity (**http://www.hpe.com/eu/certificates**)

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.

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), United Kingdom (UK).

Radio	Frequency Range MHz	Max EIRP
BLE/Zigbee	2402-2480 MHz	10 dBm
Wi-Fi	2412-2472 MHz	20 dBm
	5150-5250 MHz	23 dBm
	5250-5350 MHz	23 dBm
	5470-5725 MHz	30 dBm
	5752-5850 MHz	14 dBm

Ukraine

Hereby, HPE Aruba Networking 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

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 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 into an outlet on a circuit that is different from that to which the receiver is connected
- Consult the dealer or an experienced radio or television 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).
For additional safety and regulatory information about this product, refer to the 650 Series Installation Guide.

Contact HPE Aruba Networking

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

HPE aruba networking

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WW Corporate Headquarters
1701 E Mossy Oaks Rd Spring, TX 77389
United States of America

Documents / Resources
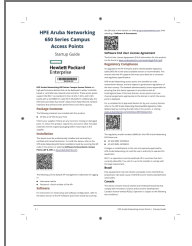
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AP-654, AP-655, 650 Series Campus Access Points, 650 Series, Campus Access Points,
Access Points, Points

References

- **HPE Aruba Networking | Enterprise**
- **HPE Aruba Networking | Enterprise**
- **My HPE Software Center**
- **User Manual**