

# HPE Aruba Networking AP-615-RW Dual Radio Tri Band 2x2:2 Wi-Fi 6E Int Antennas Campus AP (R7J49A)



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## What's new

- Unlock the 6 GHz band to deliver up to 1200 MHz additional capacity and up to 3.6 Gbps combined peak data rate.
- Up to seven 160 MHz channels in 6 GHz support low-latency, bandwidth-hungry applications like high-definition video and augmented reality/virtual reality applications.
- Software programmable, dual-radio operating modes deliver cost-

## Overview

Aruba 610 Series Campus Access Points are designed to take advantage of the 6 GHz band and achieve a combined maximum 3.6 Gbps data rate for higher throughput and faster speeds indoors. Adding support for the 6 GHz band increases capacity by up to 1200 MHz [1] with more 80/160 MHz channels to support growing demands due to bandwidth-hungry video, growth in client and IoT devices, and expanded use of the cloud.

The compact and cost-effective Aruba 610 Series

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effective coverage across any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, 6 GHz with full tri-band coverage in multi-AP deployments.

- Low power consumption enables unrestricted operation from an 802.3af (class 3) POE source [2].
- Built-in GPS receivers and fine time measurement allow APs to automatically locate themselves and serve as reference points for accurate indoor location measurements.

features dual software-programable radios that can be tuned to any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, and 6 GHz. Full tri-band coverage is available in a multi-AP deployment. Built-in GPS receivers and fine time measurement enable the Aruba 610 Series Campus APs to automatically locate themselves and serve as reference points for accurate indoor location measurements.

## Features

### More Capacity and Wider Channels with Wi-Fi 6E

Aruba 610 Series Campus Access Points with dual radios deliver a maximum combined 3.6 Gbps data rate for higher throughput and faster speeds.

With up to seven 160 MHz channels, the APs increase performance for low-latency, bandwidth-hungry applications.

Designed for Low Power Indoor environments (LPI).

### Cost-effective and Compact 6 GHz Coverage

Aruba 610 Series Campus Access Points equip enterprises with 6 GHz coverage providing up to 1200 MHz additional capacity at an attractive price point.

Software-programable radios can be configured to cover any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, 6 GHz.

Low power (802.3af class 3) and compact form factor for ease of deployment.

### Extends Capabilities of Wi-Fi 6 (802.11ax) APs

Aruba 610 Series Campus Access Points are based on the 802.11ax standard so multi-user efficiency and security features are applied to Wi-Fi 6E.

Unique Aruba capabilities include ClientMatch, Advanced Cellular Coexistence, and Intelligent Power Monitoring to customize user experience and energy use.

### Indoor location-aware APs

Aruba 610 Series Campus APs include built-in GPS receivers and fine time measurement to automatically and accurately locate themselves.

The Aruba 610 Series supports Open Locate, an emerging standard that allows APs to share their location over the air and through cloud-based APIs.

## Technical specifications

# HPE Aruba Networking AP-615-RW Dual Radio Tri Band 2x2:2 Wi-Fi 6E Int Antennas Campus AP

<b>Product Number</b>	R7J49A
<b>Differentiator</b>	Aruba 610 Series Campus Access Points are cost-effective, compact Wi-Fi 6E APs for indoor use. Offers far greater capacity, wider channels, and less interference than previous Wi-Fi generations. Features 3.6 Gbps maximum combined data rate with software-programable dual radio support for any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, and 6 GHz.
<b>Certifications</b>	UL2043 plenum rating Wi-Fi Alliance: Wi-Fi CERTIFIED a, b, g, n, ac, Wi-Fi CERTIFIED 6E (ax, 6GHz), WPA, WPA2 and WPA3 – Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE), WMM, WMM-PS, Wi-Fi Vantage, W-Fi Agile Multiband, Wi-Fi Location, Passpoint (release 2) Bluetooth SIG Ethernet Alliance (POE, PD device, class 5)
<b>Input voltage</b>	POE-PD: 48Vdc, DC power interface: 12Vdc
<b>Regulatory</b>	FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU UL/IEC/EN 60950 IEC/EN 62368-1 EN 60601-1-1, EN60601-1-2
<b>Wi-Fi antenna</b>	AP-615: Integrated downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.6dBi in 2.4GHz, 7.0dBi in 5GHz and 6.3dBi in 6GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of the AP. The downtilt angle for maximum gain is roughly 30 to 40 degrees. Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the combined, average pattern is 2.2dBi in 2.4GHz, 4.8dBi in 5GHz and 4.9dBi in 6GHz.
<b>Ports</b>	E0, E1: Two Ethernet wired network ports (RJ-45) DC power interface USB 2.0 host interface (Type A connector) Kensington security slot
<b>Mounting</b>	A mounting bracket has been pre-installed on the back of the AP. This bracket is used to secure the AP to any of the mount kits (sold separately) see the Aruba 630 Series Ordering Guide for details.
<b>Power consumption</b>	DC powered: 12.5W/18.2W POE powered: 14.7W/20.9W This assumes that up to 5W is supplied to the attached USB device.
<b>Radio coverage</b>	Indoor, tri radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 2x2 MIMO
<b>Warranty</b>	Aruba's hardware limited lifetime warranty: <a href="https://www.arubanetworks.com/support-services/product-warranties/">https://www.arubanetworks.com/support-services/product-warranties/</a>
<b>Product dimensions (metric)</b>	5.1 x 20.1 x 18.3 x cm
<b>Weight</b>	0.72 kg

[1] [wi-fi.org/zh-hans/countries-enabling-wi-fi-6e](https://www.wi-fi.org/zh-hans/countries-enabling-wi-fi-6e)

[2] By default (with IPM disabled) the AP-615 will disable the USB port (only) when on class 3 POE. The IPM feature can be used to avoid this restriction.

For additional technical information, available models and options, please reference the QuickSpecs

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Image may differ from the actual product PSN1014671589TREN, November, 2023.