

HPE Aruba Networking 610 Series Campus Access Points

HPE Aruba Networking AP-615-US Dual Radio Tri Band 2x2 Wi-Fi 6E Int Antennas TAA Campus AP (R7J55A)

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
- The 610 series provides up to seven 160 MHz channels in 6 GHz support low-latency, bandwidth-hungry applications such as high-definition video and augmented reality/virtual reality applications
- Software programmable, dual-radio operating modes deliver cost-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 [1]
- Built-in GPS receivers and fine time measurement allow APs to automatically locate themselves and serve as reference points for accurate indoor location measurements
- It is offered as optional eco-friendly 10-pack

Overview

HPE Aruba Networking 610 Series Campus Access Points are designed to take advantage of the 6 GHz band and achieve up to 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 with more 80/160 MHz channels to support growing demands due to bandwidth-hungry video, growth in client and Internet of Things (IoT) devices, and expanded use of the cloud.

The compact and cost-effective 610 series features dual radios that can be tuned to any two of the three spectrum bands for Wi-Fi: 2.4 GHz, 5 GHz, and 6 GHz. Full tri-band coverage is available in a multi-access point deployment. Built-in GPS receivers and fine time measurements enable the 610 series to automatically locate themselves and serve as reference points for accurate indoor location measurements. The 610 series includes a limited lifetime warranty.

Features

More Capacity and Wider Channels with Wi-Fi 6E

HPE Aruba Networking 610 Series Campus Access Points with dual radios deliver up to 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.

The 610 series is designed for indoor environments

Cost-effective and Compact 6 GHz Coverage

HPE Aruba Networking 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.

It offers low power (802.3af Class 3) and compact form factor for ease of deployment.

Client and RF optimization to match clients with the best available access point and reduce coverage gaps.

Zero touch provisioning (ZTP) provides ease of implementation in branch offices and remote sites, without on-site technical expertise.

Extends Capabilities of Wi-Fi 6 (802.11ax)

HPE Aruba Networking 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.

Wi-Fi 6E extends support for Wi-Fi 6 features such as OFDMA, MU-MIMO, and target wait time (TWT) for better multi-user performance and improved efficiency.

Unique AP capabilities include ClientMatch, advanced cellular coexistence (ACC), and intelligent power monitoring (IPM) to customize user experience and energy use.

Indoor Location-Aware Access Points

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

The access point 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-US Dual Radio Tri Band 2x2 Wi-Fi 6E Int Antennas TAA Campus AP
Product Number	R7J55A
Deployment	Indoor
Wi-Fi generation	Wi-Fi 6E (802.11ax with 6 GHz)
Wi-Fi radios	2x2:2
Radio configuration options	2.4 GHz and 5 GHz or 2.4 GHz and 6 GHz or 5 GHz and 6 GHz
Max bandwidths and peak data rate per band	20/40 (2.4 GHz), 20/40/80 (5 GHz), 20/40/80/160 (6 GHz), 3.6 Gbps maximum peak data rate
Wi-Fi antenna	AP-615: Integrated down-tilt omni-directional antennas for 2x2 MIMO. Built-in antennas are optimized for horizontal ceiling-mounted orientation of the access point. The down-tilt angle gain is roughly 30° to 40°.
Ultra tri-band (UTB) filtering	No
IoT support	Bluetooth Low Energy (BLE5.0) and Zigbee (802.15.4) radio, USB 2.0 type A
Integrated sensor	No
Location services	802.11 FTM support GNSS receiver
Cellular support	USB LTE modem (sold separately)
Wired network interface	1 x 2.5 Gbps
MACsec support	No
AP operating system support	HPE Aruba Networking Wireless Operating System 8 and HPE Aruba Networking Instant OS HPE Aruba Networking Wireless Operating System 10
AP management	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service
Certifications	UL2043 plenum rating Wi-Fi Alliance®: Wi-Fi CERTIFIED® a, b, g, n, ac Wi-Fi CERTIFIED 6E (ax, 6 GHz) WPA, WPA2, and WPA3 Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE) WMM, WMM-PS, W-Fi agile multiband Wi-Fi CERTIFIED Location™ Bluetooth SIG Ethernet Alliance (PoE, PD device, class 4)

Technical specifications**HPE Aruba Networking AP-615-US Dual Radio Tri Band 2x2 Wi-Fi 6E Int Antennas TAA Campus AP****Regulatory**

FCC/ISED
CE Marked
Low Voltage Directive 2014/35/EU
UL/IEC/EN 62368-1
EN 60601-1-1, EN60601-1-2
For more country-specific regulatory information and approvals, contact your HPE representative.

Warranty

Limited lifetime warranty. See the warranty duration guide.

Weight

0.72 kg

Product dimensions

5.1 x 20.1 x 18.3 x cm

Ports

E0: Ethernet wired network ports (RJ-45)
USB 2.0 host interface (Type A connector)
Serial console interface (proprietary, micro-B USB physical jack)
Kensington security slot

[1] 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.

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Annual subscription services include:

- Network optimization
- Intelligent Operations
- Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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