

HPE Aruba Networking 610 Series Campus Access Points



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 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

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 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-AP 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

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.
- Offered as optional eco-friendly 10-pack.

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 Designed for Low Power Indoor environments (LPI).

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 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, bidirectional MU-MIMO, and Target Wait Time for better multi-user performance and improved efficiency.

Unique HPE Aruba Networking capabilities include ClientMatch, Advanced Cellular Coexistence, and Intelligent Power Monitoring 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 610 Series Campus Access Points

Certifications	UL2043 plenum rating; Bluetooth SIG; Ethernet Alliance (PoE, PD device, Class 4); Wi-Fi Alliance (WFA): 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™
Input voltage	The AP supports direct DC power and Power over Ethernet (PoE) on port E0
Regulatory	AP-615 (all models): APIN0615 FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU UL/IEC/EN 62368-1 EN 60601-1-1, EN60601-1-2
Wi-Fi antenna	AP-615: Integrated downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 2.8 dBi in 2.4 GHz, 4.5 dBi in 5 GHz and 4.5 dBi in 6 GHz.
Connectivity, standard	Wi-Fi 6E (802.11ax)
Ports	E0: Ethernet wired network ports (RJ-45) DC power interface: 12 Vdc (nominal, +/- 5%) USB 2.0 host interface (Type A connector) Bluetooth Low Energy (BLE5.0) and Zigbee (802.15.4) radio Visual indicators (four multi-color LEDs) Reset button: factory reset, LED mode control (normal/off) Serial console interface (proprietary, micro-B USB physical jack) Kensington security slot
Mounting	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 610 Series ordering guide for details.
Power consumption	Maximum (worst-case) power consumption: DC powered:12.5W/18.2W POE powered: 14.7W/20.9W
Radio coverage	Indoor, dual-radio/tri-band 2.4 GHz, 5 GHz and 6 GHz (dual concurrent) 802.11ax 2x2 MIMO
Warranty	Limited lifetime warranty. See the warranty duration guide.
Product dimensions	5.1 x 20.1 x 18.3 x cm
Weight	0.72 kg

[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.



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

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: <https://www.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: Annual subscription services include:

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

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.
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