

HPE Aruba Networking 630 Series Campus Access Points



What's new

- Three radios to extend the benefits of Wi-Fi 6 to the 6GHz band –unlocking up to 1200 MHz of spectrum.
- Wider channels and less interference to deliver faster speeds for low-latency, bandwidth hungry applications like high-definition video and augmented reality/virtual reality.
- Unique filtering capabilities to eliminate gaps in coverage and minimize interference between the 5GHz and 6GHz bands.

Overview

HPE Aruba Networking 630 Series Access Points are designed to take advantage of the 6 GHz band using three radios for comprehensive tri-band coverage. With 6GHz, wireless capacity is more than doubled—allowing enterprises to meet today's needs and plan for future growth. Aruba Wi-Fi 6E APs allow countries to take advantage of Wi-Fi 6E once it is approved in country via automated notification and easy deployment of 6 GHz regulatory tables.

The HPE Aruba Networking 630 Series delivers a maximum aggregate 3.9 Gbps data rate for higher

-
- High availability with hitless failover for ethernet and power to ensure business continuity.
 - Automated notification and easy deployment of 6 GHz regulatory tables to allow countries to take advantage of Wi-Fi 6E once it is approved in country.

throughput and faster speeds for fixed low power indoor use. With up to seven 160 MHz channels, the 630 Series maximizes performance for low-latency, bandwidth-hungry applications. Aruba's ultra tri-band filtering eliminates interference between 5 GHz and 6 GHz and prevents gaps in channel coverage. To ensure high availability, the 630 Series includes dual port hitless failover for ethernet and power.

Features

More capacity and wider channels with Wi-Fi 6E

The HPE Aruba Networking 630 Series APs deliver a maximum aggregate 3.9 Gbps data rate for higher throughput and faster speeds.

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

Designed for Low Power Indoor environments (LPI).

Less interference and fewer coverage gaps

The HPE Aruba Networking 630 Series APs provide comprehensive tri-band coverage using three radios.

Aruba's unique ultra tri-band filtering eliminates interference among 5 GHz and 6 GHz radios and prevents gaps in channel coverage.

Since only Wi-Fi 6E enabled devices can operate in the 6 GHz band, it is less congested with no interference from legacy devices.

Extends capabilities of Wi-Fi 6 (802.11ax) APs

HPE Aruba Networking 630 Series APs are based on the 802.11ax standard so multi-user efficiency and security features are applied to Wi-Fi 6E.

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

Ensures business continuity and high availability

High availability with two HPE Smart Rate ethernet ports for 1-2.5 Gbps to offer true hitless failover for both data and power.

Cloud, controller, or controllerless operation modes address all campus, branch and remote use cases.

Technical specifications

HPE Aruba Networking 630 Series Campus Access Points

Certifications	<p>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)</p>
Input voltage	12 Vdc (+/- 5%) or 48 Vdc (nominal) POE
Regulatory	<p>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 For more country-specific regulatory information and approvals, please see your HPE Aruba Networking representative.</p> <p>Regulatory considerations for AP-634: The HPE Aruba Networking AP-634 will be offered in countries where there is an existing or clear and defined path to allow operation of 6 GHz radios with external connectorized antennas, either as a Low Power Indoor (LPI) or Standard Power (SPI) product. Please contact your HPE Aruba Networking representative to confirm (existing or planned) availability for the country where the AP will be deployed.</p>
Wi-Fi antenna	<p>HPE Aruba Networking AP-634 (external antenna support): Two sets of two (female) RP-SMA connectors for external antennas (A0 & A1 corresponding with radio chains 0 and 1 for the 2.4GHz and 5GHz radios, and B0 & B1 corresponding with radio chains 0 and 1 for the 6GHz radio). Worst-case internal loss between radio interface and external antenna connectors: 1.0dB in 2.4GHz, 1.0dB in 5GHz and 1.0dB in 6GHz.</p> <p>HPE Aruba Networking AP-635 (internal antenna): 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 2.9dBi in 2.4GHz, 4.9dBi in 5GHz and 4.3dBi in 6GHz.</p>
Heat dissipation	66.3 BTU/hr worst case (POE powered), 57.9 BTU/hr worst case (DC)
Connectivity, standard	WLAN: tri radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 2x2 MIMO Bluetooth Low Energy (BLE5.0) and Zigbee (802.15.4) radio
Ports	<p>E0, E1: Two Ethernet wired network ports (RJ-45), auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX DC power interface USB 2.0 host interface (Type A connector) Visual indicators (four multi-color LEDs) Reset button: factory reset, LED mode control</p>
Mounting	Access Point can be wall or ceiling mounted, using one of a range of optional mount kits. The HPE Aruba Networking AP-635 built-in antennas are optimized for horizontal orientation of the AP, mounted at a typical ceiling height.
Power consumption	23.8W worst case (POE powered), 20.7W worst case (DC). Excludes power needed to supply up to 5W to an attached USB device.
Radio coverage	Indoor, tri radio, 2.4GHz, 5GHz and 6GHz (concurrent) 802.11ax 2x2 MIMO
Warranty	HPE Aruba limited lifetime hardware warranty. See https://www.arubanetworks.com/support-services/product-warranties/
Product dimensions (metric)	220mm x 220mm x 50mm
Weight	1300g

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: arubanetworks.com/services/



Support Services from HPE Aruba Networking

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 from HPE Aruba Networking

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

Make the right purchase decision. Contact our presales specialists.

[Find a partner](#)



Chat now (sales)



Call now



Buy now



Share now



Get updates

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

HPE Aruba Networking Network as-a-Service (NaaS)

Our NaaS solution, HPE Aruba Networking Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from HPE Aruba Networking [here](#).

© Copyright 2023 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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 PSN1013490535TREN, November, 2023.