HPE Aruba Networking 630 Series Campus Access Points

HPE Aruba Networking AP-634 (US) Tri-radio 2x2:2 Wi-Fi 6E External Antennas Campus AP (S1G50A)

What's new

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

Overview

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

The 630 Series delivers a maximum aggregate 3.9 Gbps data rate for higher throughput and faster speeds for fixed low power indoor use. With up to seven 160 MHz channels, the 630 APs maximizes performance for low-latency, bandwidth-hungry applications. The 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 Campus Access Points deliver a maximum aggregate 3.9 Gbps data rate for higher throughput and faster speeds.

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

It is designed for low power indoor environments (LPI).

Less Interference and Fewer Coverage Gaps

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

The HPE Aruba Networking unique ultra tri-band filtering mitigates 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 Campus Access Points are based on the 802.11ax standard so multi-user efficiency and security features are applied to Wi-Fi 6E.

Unique HPE Aruba Networking capabilities include ClientMatch, Advanced Cellular Coexistence, and Intelligent Power Monitoring to 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 AP-634 (US) Tri-radio 2x2:2 Wi-Fi 6E External Antennas Campus AP

Product Number	S1G50A
Differentiator	Available in US only
Certifications	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)
Input voltage	12 Vdc (+/- 5%) or 48 Vdc (nominal) PoE
Regulatory	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, contact see your HPE Aruba Networking representative. Regulatory considerations for AP-634: The 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 or standard power product. Please contact your HPE Aruba Networking representative to confirm (existing or planned) availability for the country where the AP will be deployed.
Wi-Fi antenna	Two sets of two (female) RP-SMA connectors for external antennas (A0 & A1 corresponding with radio chains 0 and 1 for the 2.4 GHz and 5 GHz radios, and B0 and B1 corresponding with radio chains 0 and 1 for the 6 GHz radio). Worst-case internal loss between radio interface and external antenna connectors: 1.0 dB in 2.4 GHz, 1.0 dB in 5 GHz and 1.0 dB in 6 GHz.
Heat dissipation	66.3 BTU/hr worst case (PoE powered), 57.9 BTU/hr worst case (DC)
Connectivity, standard	Wi-Fi 6E (IEEE 802.11ax) WLAN: tri radio, 2.4 GHz, 5 GHz and 6 GHz (concurrent) 802.11ax 2x2 MIMO Bluetooth Low Energy (BLE5.0) and Zigbee (802.15.4) radio
Ports	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
Mounting	A mounting bracket has been preinstalled on the back of the AP. This bracket is used to secure the AP to any of the mount kits (sold separately). Optional mounting kits available, see the ordering guide.
Power consumption	23.8 W worst case (POE powered), 20.7 W worst case (DC). Excludes power needed to supply up to 5W to an attached USB device.
Radio coverage	Indoor, tri radio, 2.4 GHz, 5 GHz and 6 GHz (concurrent) 802.11ax 2x2 MIMO
Warranty	Limited lifetime warranty. See the warranty duration.

Product dimensions	220mm x 220mm x 50mm
Weight	1300g

[1] Bluetooth is a trademark owned by its proprietor and used by Hewlett Packard Enterprise under license. All third-party marks are property of their respective owners

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:

- 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.

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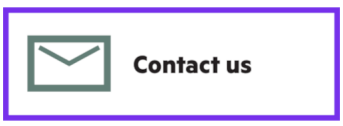

Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

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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