

# HPE Aruba Networking 630 Series Campus Access Points

## HPE Aruba Networking AP-635 (RW) Tri Radio 2x2 Wi-Fi 6E Internal Antennas 5-pack Campus Access Point (S3J35A)



### 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 low-latency, bandwidth-hungry applications like high-definition video and augmented reality/virtual reality.
- Unique filtering capabilities to mitigate gaps in coverage and help

### 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-

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.

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-635 (RW) Tri Radio 2x2 Wi-Fi 6E Internal Antennas 5-pack Campus Access Point
<b>Product Number</b>	S3J35A
<b>Differentiator</b>	Available everywhere except, US, Israel, Egypt and Japan
<b>Wi-Fi antenna</b>	HPE Aruba Networking AP-635 (internal antenna): Integrated downtilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 4.6 dBi in 2.4 GHz, 7.0 dBi in 5 GHz and 6.3 dBi in 6 GHz. 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 2.9 dBi in 2.4 GHz, 4.9 dBi in 5 GHz and 4.3 dBi in 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>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>Warranty</b>	Limited lifetime warranty. See the warranty duration.
<b>Weight</b>	1300g
<b>Product dimensions</b>	220mm x 220mm x 50mm
<b>Input voltage</b>	12 Vdc (+/- 5%) or 48 Vdc (nominal) PoE
<b>Heat dissipation</b>	66.3 BTU/hr worst case (PoE powered), 57.9 BTU/hr worst case (DC)
<b>Connectivity, standard</b>	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
<b>Ports</b>	EO, 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
<b>Mounting</b>	The AP-635 built-in antennas are optimized for horizontal orientation of the AP, mounted at a typical ceiling height.

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<b>Power consumption</b>	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.
<b>Radio coverage</b>	Indoor, tri radio, 2.4 GHz, 5 GHz and 6 GHz (concurrent) 802.11ax 2x2 MIMO

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# 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.

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## 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.

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- 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.

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