

# HPE Aruba Networking 630 Series Campus Access Points



## What's new

- Three radios to extend the benefits of Wi-Fi 6E to the 6 GHz band accessing 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 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

## 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 needs today 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 (LPI) use. With up to seven 160 MHz channels, the 630 series increases performance for low-latency, bandwidth-hungry applications. The ultra tri-band (UTB) 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.

deployment of 6 GHz regulatory tables to allow countries to take advantage of Wi-Fi 6E, once it is approved in the country

## 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 (LPI) environments.

### **Less Interference and Fewer Coverage Gaps**

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

The unique ultra tri-band (UTB) filtering mitigates interference among 5 GHz and 6 GHz radios and prevents gaps in channel coverage.

Since only Wi-Fi 6E 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 multiuser efficiency and security features are applied to Wi-Fi 6E.

Unique capabilities include HPE Aruba Networking ClientMatch, advanced cellular coexistence (ACC), and intelligent power monitoring (IPM) to optimize user experience and energy use.

### **Ensures Business Continuity and High Availability**

High availability with two HPE Smart Rate Ethernet ports 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
<b>Deployment</b>	Indoor
<b>Wi-Fi generation</b>	Wi-Fi 6E (802.11ax with 6 GHz)
<b>Wi-Fi radios</b>	Triple 2x2
<b>Radio configuration options</b>	2.4 GHz and 5 GHz and 6 GHz
<b>Max bandwidths and peak data rate per band</b>	20/40 (2.4 GHz), 20/40/80 (5 GHz), 20/40/80/160 (6 GHz), and maximum peak data rate 3.9 Gbps
<b>Wi-Fi antenna</b>	HPE Aruba Networking 630 Series Campus Access Points models: AP-634: Two sets of two (female) RP-SMA connectors for external antennas. AP-635: Integrated downtilt omnidirectional antennas for 2x2 MIMO. Built-in antennas are for horizontal ceiling-mounted orientation of the AP. The downtilt angle gain is roughly 30° to 40°.
<b>Ultra tri-band (UTB) filtering</b>	Yes
<b>IoT support</b>	IEEE 802.15.4/Zigbee or Bluetooth 5.0, USB port
<b>Integrated sensor</b>	No
<b>Location services</b>	802.11 FTM support GNSS receiver
<b>Cellular support</b>	USB LTE modem (sold separately)
<b>Wired network interface</b>	2 x 2.5GbE
<b>MACsec support</b>	No
<b>AP operating system support</b>	<p>AP-634 (excluding 6 GHz support): HPE Aruba Networking Wireless Operating System and HPE Aruba Networking Instant OS 8.11.2.0, HPE Aruba Networking Wireless Operating System 10.6.0.0</p> <p>AP-634 (including 6 GHz support): HPE Aruba Networking Wireless Operating System and HPE Aruba Networking Instant OS 8.12.0.0, HPE Aruba Networking Wireless Operating System 10.7.0.03</p> <p>AP-635: HPE Aruba Networking Wireless Operating System and HPE Aruba Networking Instant OS 8.9.0.0, HPE Aruba Networking Wireless Operating System 10.4.0.0</p> <p>Standard power product class operation of the AP-634 is only supported on HPE Aruba Networking OS 10.7.0.0 and later deployments and HPE Aruba Networking OS 8.12.0.0 and later deployments that include a HPE Aruba Networking Mobility Conductor. Standard power operation is not supported on Instant OS deployments or 8.x HPE Aruba Networking OS deployments without a HPE Aruba Networking Mobility Conductor.</p>
<b>AP management</b>	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service

<b>Certifications</b>	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 Bluetooth SIG Ethernet Alliance (PoE, PD device, class 5)
<b>Regulatory</b>	FCC/ISED CE Marked Low Voltage Directive 2014/35/EU UL/IEC/EN 62368-1 EN 60601-1-2  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 (LPI) or standard power (SP) product.  For more country-specific regulatory information and approvals, contact your HPE representative.
<b>Warranty</b>	Limited lifetime warranty. See the <a href="#">warranty duration</a> .
<b>Weight</b>	1300g
<b>Product dimensions (metric)</b>	220mm x 220mm x 50mm
<b>Ports</b>	E0, E1: Two 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

## SKU overview

- S1G49A:** HPE Aruba Networking AP-634 (RW) Tri-radio 2x2:2 Wi-Fi 6E External Antennas Campus AP
- S1G51A:** HPE Aruba Networking AP-634 (RWF1) Tri-radio 2x2:2 Wi-Fi 6E External Antennas TAA Campus AP
- S1G50A:** HPE Aruba Networking AP-634 (US) Tri-radio 2x2:2 Wi-Fi 6E External Antennas Campus AP
- S1G52A:** HPE Aruba Networking AP-634 (USF1) Tri-radio 2x2:2 Wi-Fi 6E External Antennas TAA Campus AP
- R7J24A:** HPE Aruba Networking AP-635 (EG) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J29A:** HPE Aruba Networking AP-635 (EG) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP
- S5E07A:** HPE Aruba Networking AP-635 (ID) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J25A:** HPE Aruba Networking AP-635 (IL) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J30A:** HPE Aruba Networking AP-635 (IL) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP
- R7J26A:** HPE Aruba Networking AP-635 (JP) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J31A:** HPE Aruba Networking AP-635 (JP) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP
- R7J27A:** HPE Aruba Networking AP-635 (RW) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J32A:** HPE Aruba Networking AP-635 (RW) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP
- S3J35A:** HPE Aruba Networking AP-635 (RW) Tri Radio 2x2 Wi-Fi 6E Internal Antennas 5-pack Campus Access Point
- R7J28A:** HPE Aruba Networking AP-635 (US) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas Campus AP
- R7J33A:** HPE Aruba Networking AP-635 (US) Tri Radio 2x2 802.11ax Wi-Fi 6E Internal Antennas TAA Campus AP
- S3J36A:** HPE Aruba Networking AP-635 (US) Tri Radio 2x2 Wi-Fi 6E Internal Antennas 5-pack Campus Access Point

## Related Options

The following options are available for these series:

SKU	Description
<b>Cables/Cable Kits</b>	
R8L34A	HPE Aruba Networking AP-CBL-EXT10 10-pack CAT6A Ethernet Extension Cables
JY728A	HPE Aruba Networking AP-CBL-SERU Micro-USB TTL3.3V to USB2.0 AP Console Adapter Cable
R6Q99A	HPE Aruba Networking AP-MOD-SERU Micro-USB TTL3.3V to RJ45 RS232 AP Console Adapter Module
<b>Enterprise Networking Products</b>	
R7J34A	HPE Aruba Networking AP-635-CVR-20 20-pack White Non-glossy Snap-on Covers
S1F79A	HPE Aruba Networking AP-ANT-311 Direct-Mount RP-SMA Tri-Band 1x1 Omni Dipole Antenna
S1F80A	HPE Aruba Networking AP-ANT-312 Direct-Mount RP-SMA Tri-Band 1x1 Low-Profile Omni Dipole Antenna
S1F81A	HPE Aruba Networking AP-ANT-313 Cabled RP-SMA Tri-Band 1x1 Omni Dipole Antenna
S1F85A	HPE Aruba Networking AP-ANT-320 Cabled RP-SMA Tri-Band 2x2 Downtilt Omni Ceiling Antenna
S1F86A	HPE Aruba Networking AP-ANT-325 Cabled RP-SMA Tri-Band 2x2 Medium Gain Directional Panel Antenna
S1F87A	HPE Aruba Networking AP-ANT-328 Cabled RP-SMA Tri-Band 2x2 High Gain Directional Panel Antenna
S1F82A	HPE Aruba Networking AP-ANT-340 Cabled RP-SMA Tri-Band 4x4 Downtilt Omni Ceiling Antenna
S1F83A	HPE Aruba Networking AP-ANT-345 Cabled RP-SMA Tri-Band 4x4 Medium Gain Directional Panel Antenna
S1F84A	HPE Aruba Networking AP-ANT-348 Cabled RP-SMA Tri-Band 4x4 High Gain Directional Panel Antenna
S1J09A	HPE Aruba Networking AP-ANT-MNT-U Universal AZ/EL Adjustable Antenna Pole Wall Mount Kit
SOJ40A	HPE Aruba Networking AP-MNT-MP10-U Campus AP Universal 10-pack Mount Bracket Kit
R8F34A	HPE Aruba Networking USB LTE Modem for Access Points and Gateways
<b>Mounting Rack/Rail Options</b>	
R3J15A	HPE Aruba Networking AP-MNT-A Campus AP Type A Suspended Ceiling Rail Flat 9/16 Mount Bracket Kit
R3J16A	HPE Aruba Networking AP-MNT-B Campus AP Type B Suspended Ceiling Rail Flat 15/16 Mount Bracket Kit
R3J17A	HPE Aruba Networking AP-MNT-C Campus AP Type C Suspended Ceiling Rail 9/16 Profile Mnt Bracket Kit
R3J18A	HPE Aruba Networking AP-MNT-D Campus AP Type D Solid Surface Mount Bracket Kit
R3J19A	HPE Aruba Networking AP-MNT-E Campus AP Type E Wall-Box Mount Bracket Kit
JZ370A	HPE Aruba Networking AP-MNT-MP10-A Campus AP 10-Pack 9/16 Flat Ceiling Rail Mount Bracket Kit
R6T34A	HPE Aruba Networking AP-MNT-MP10-B1 Campus AP 10-Pack 15/16 Adj Flat Ceiling Rail Mount Bracket Kit
Q9G69A	HPE Aruba Networking AP-MNT-MP10-B Campus AP 10-Pack 15/16 Flat Ceiling Rail Mount Bracket Kit

Q9G70A	HPE Aruba Networking AP-MNT-MP10-C Campus AP 10-Pack Profile 9/16 Ceiling Rail Mount Bracket Kit
Q9G71A	HPE Aruba Networking AP-MNT-MP10-D Campus AP 10-Pack Solid Surface Mount Bracket Kit
R1C72A	HPE Aruba Networking AP-MNT-MP10-E Campus AP 10-Pack Wall-box Mount Bracket Kit
R3T20A	HPE Aruba Networking AP-MNT-MP10-X Campus AP 10-Pack Mount Adapter Kit
S4K79A	HPE Aruba Networking AP-MNT-U Campus Access Point Type U Universal Mount Bracket Kit

## Networking Options

R8G76A	HPE Aruba Networking USB Extender Cable Kit
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## Power Management Options

R3K00A	HPE Aruba Networking AP-AC2-12B 12V/48W AC/DC Desktop Style Power Adapter with 2.1/5.5mm Connector
R6P67A	HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector
S3J26A	HPE Aruba Networking AP-POE-BT10 1-port 10G 60W Midspan 802.3bt PoE Injector
R1C73A	HPE Aruba Networking AP-POE-BTSR 1-Port Smart Rate 802.3bt 60W Midspan Injector

## Private and Hybrid Cloud

Q9Y63AAE	HPE Aruba Networking Central AP Advanced 1 year Subscription E-STU
Q9Y64AAE	HPE Aruba Networking Central AP Advanced 3 year Subscription E-STU
Q9Y65AAE	HPE Aruba Networking Central AP Advanced 5 year Subscription E-STU
Q9Y66AAE	HPE Aruba Networking Central AP Advanced 7 year Subscription E-STU
Q9Y67AAE	HPE Aruba Networking Central AP Advanced 10 year Subscription E-STU
Q9Y58AAE	HPE Aruba Networking Central AP Foundation 1-year Subscription E-STU
Q9Y59AAE	HPE Aruba Networking Central AP Foundation 3 year Subscription E-STU
Q9Y60AAE	HPE Aruba Networking Central AP Foundation 5 year Subscription E-STU
Q9Y61AAE	HPE Aruba Networking Central AP Foundation 7 year Subscription E-STU
Q9Y62AAE	HPE Aruba Networking Central AP Foundation 10 year Subscription E-STU
R6U63AAE	HPE Aruba Networking Central on Prem AP Foundation 1 year Subscription E-STU
R6U64AAE	HPE Aruba Networking Central on Prem AP Foundation 3 year Subscription E-STU
R6U65AAE	HPE Aruba Networking Central on Prem AP Foundation 5 year Subscription E-STU
R6U66AAE	HPE Aruba Networking Central on Prem AP Foundation 7 year Subscription E-STU
R6U67AAE	HPE Aruba Networking Central on Prem AP Foundation 10 year Subscription E-STU

## Wireless Devices

S1E83A	HPE Aruba Networking AP-503 (RW) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point
S1E84A	HPE Aruba Networking AP-503 (US) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point

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