# HPE Aruba Networking 600R Series Remote Access Points




### What's new

- Wi-Fi 6E access points ideal for mission-critical remote work and small branches provide flexible coverage across any two bands (2.4 GHz, 5 GHz, and 6 GHz) for up to 3.6 Gbps combined peak data rate
- Stay connected using backup or primary cellular connectivity with optional CAT 12 module that includes antennas and a high-speed interface for LTE connectivity
- Convenient wired connectivity with 2.5 Gbps uplink/downlink Ethernet port and multiple 1 Gbps Ethernet ports
- Zero touch provisioning (ZTP) provides ease of implementation in branch offices and remote sites,

## Overview

HPE Aruba Networking 600R Series Remote Access Points are powerful desktop Wi-Fi 6E access points that enable IT teams to deliver seamless and secure user experiences to remote power users and small branch environments. Providing up to 3.6 Gbps combined aggregate data rate (using 5 GHz and 6 GHz bands), this series delivers more wireless capacity and wider channels by taking advantage of Wi-Fi 6E and the 6 GHz band to more than double capacity to support increasing WiFi demands, especially for latencysensitive, highbandwidth video communications.

An optional high-speed LTE cellular module provides primary or backup connectivity for mission critical use cases.
Multigigabit port, gigabit ports, and integrated Bluetooth Low Energy (BLE) and Zigbee offer a range of connectivity options. IT teams can easily extend the WAN to remote employees as part of the HPE Aruba Networking Central microbranch functionality. The 600R series includes a limited lifetime warranty.

without on-site technical expertise

- Managed through cloud-native HPE Aruba Networking Central to extend the WAN to home offices, small offices, and temporary locations

## Features

### Wi-Fi 6E Performance for Remote Work and Small Branches

HPE Aruba Networking 600R Series Remote Access Points offer 6 GHz coverage with up to 1200 MHz more capacity. Two 2x2 MIMO radios deliver a maximum combined data rate of up to 3.6 Gbps when configured for concurrent 5 GHz and 6 GHz operation.

Wi-Fi 6E extends support for Wi-Fi 6 features such as OFDMA, bidirectional multi-user MIMO, and target wait time (TWT) for better multi-user performance and improved efficiency.

For primary or backup cellular, optional CAT 12 module includes antennas and a high-speed interface for LTE connectivity.

You get convenient wired connectivity with a 2.5 Gbps uplink/downlink Ethernet port, a dedicated 1 Gbps uplink port, and three dedicated downlink ports.

It provides Internet of Things (IoT) connectivity with integrated Bluetooth 5 and 802.15.4 radio for Zigbee support and USBport extension for connection to a range of devices.

### Remote Deployment and Management Made Simple

HPE Aruba Networking 600R Series Remote Access Points are deployed and managed using cloud-native HPE Aruba Networking Central to extend the WAN to home offices, small offices, and temporary locations with built-in SD-WAN and cloud security.

Remote work microbranch capabilities include SD-WAN route/tunnel orchestration, policy-based routing, multiple active tunnels, WAN health visibility, and cloud security orchestration.

They include GPS receiver and fine time measurements to accurately auto-locate themselves.

Zero touch provisioning (ZTP) provides ease of implementation in branch offices and remote sites, without on-site technical expertise.

No mounts are needed with bundles that combine a desk stand, power adapter, and power cord to mitigate excess packaging.

### Boost Security

The HPE Aruba Networking 600R Series Remote Access Points offer enhanced security with dynamic segmentation to remove the time consuming and error-prone task of managing complex and static VLANs, ACLs, and subnets by dynamically assigning policies and keeping traffic protected and separated.

The AP offers stronger encryption and authentication with WPA3, protected credentials/keys storage for guest access with Enhanced Open (OWE), and user and IoT access policy enforcement firewalls (PEFs).

It simplifies policy enforcement by using the PEF to encapsulate traffic from the AP to the gateway (or mobility controller) for end-to-end encryption and inspection.

For enhanced device assurance, the access points include an installed trusted platform module (TPM) for protected storage of credentials, keys, and boot code.

| Technical specifications | HPE Aruba Networking 600R Series Remote Access Points |
|---|---|
| **Deployment** | Remote<br>Indoor |
| **Wi-Fi generation** | Wi-Fi 6E (802.11ax with 6 GHz) |
| **Wi-Fi radios** | Dual 2x2 |
| **Radio configuration options** | 2.4 GHz and 5 GHz or<br>2.4 GHz and 6 GHz or<br>5 GHz and 6 GHz |
| **Max bandwidths and peak data rate per band** | 20/40 (2.4 GHz), 20/40/80 (5 GHz), 20/40/80/160 (6 GHz), and maximum peak data rate 3.6 Gbps |
| **Wi-Fi antenna** | AP-605R: Integrated omnidirectional antennas for 2x2 MIMO. Built-in antennas for horizontal desk-mounted orientation of the access points. |
| **Ultra tri-band (UTB) filtering** | No |
| **IoT support** | Bluetooth Low Energy (BLE5.0) and Zigbee (802.15.4) radio |
| **Integrated sensor** | No |
| **Location services** | 802.11 FTM support<br>GNSS receiver |
| **Cellular support** | USB LTE modem (sold separately) |
| **Wired network interface** | 1 x 2.5GbE, 4 x 1GbE |
| **MACsec support** | No |
| **Ports** | Uplink (E0): Ethernet wired network port (RJ-45)<br>Up/downlink (E1): Ethernet wired network port (RJ-45)<br>Downlink (E2-E4): Ethernet wired network ports (RJ-45)<br>USB 2.0 host interface (Type A connector)<br>Cellular radio module interface (accessible after removing the back cover)<br>Serial console interface (proprietary, micro-B USB physical jack)<br>Kensington security slot |
| **AP operating system support** | HPE Aruba Networking Wireless Operating System OS-10 |
| **AP management** | On-premises<br>Public Cloud<br>Virtual Private Cloud (VPC)<br>as a Service |

| Technical specifications | HPE Aruba Networking 600R Series Remote Access Points |
|---|---|
| **Certifications** | Wi-Fi Alliance®:<br>Wi-Fi CERTIFIED® a, b, g, n, ac<br>Wi-Fi CERTIFIED 6E (ax, 6 GHz)<br>WPA, WPA2, and WPA3- Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE)<br>WMM, WMM-PS, Wi-Fi agile multiband<br>Bluetooth SIG<br>Ethernet Alliance (PoE, PSE device, class 3)<br>IEC 61373, JIS E 4031 |
| **Regulatory** | FCC/ISED<br>CE Marked<br>Low Voltage Directive 2014/35/EU<br>UL/IEC/EN 62368-1<br>EN 60601-1-2<br>For more country-specific regulatory information and approvals, contact your HPE representative. |
| **Warranty** | Limited lifetime hardware warranty. See the warranty duration. |

# SKU overview

| SKU | Description |
|---|---|
| R8N06A | HPE Aruba Networking AP-605R (EG) Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| S5E04A | HPE Aruba Networking AP-605R (ID) Dual Radio Tri Band 2x2 802.11ax Wi-Fi 6E Remote Access Point |
| R8N07A | HPE Aruba Networking AP-605R (IL) Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| R8N08A | HPE Aruba Networking AP-605R (JP) Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| R8N09A | HPE Aruba Networking AP-605R (RW) Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| R8N10A | HPE Aruba Networking AP-605R (US) Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| R8N15A | HPE Aruba Networking AP-605R (USF1) TAA Dual Radio Tri Band 2x2 Wi-Fi 6E Remote Access Point |
| R8N20A | HPE Aruba Networking AP-605R12 (US) Dual Radio Tri Band 2x2 Wi-Fi 6E CAT12 LTE Remote AP |
| R8N19A | HPE Aruba Networking AP-605R12-EU Wi-Fi 6E CAT12 LTE Dual-radio Tri-band 2x2 Remote AP |

# Related Options

The following options are available for these series:

| SKU | Description |
|---|---|
| **Cables/Cable Kits** | |
| 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 |
| **Enterprise Networking Products** | |
| R8N34A | HPE Aruba Networking AP-605CM12 CAT12 LTE Cellular Module |
| R8F34A | HPE Aruba Networking USB LTE Modem for Access Points and Gateways |
| **Networking Options** | |
| R8G76A | HPE Aruba Networking USB Extender Cable Kit |
| **Power Management Options** | |
| R3K01A | HPE Aruba Networking AP-AC2-48C 48V/50W AC/DC Desktop Style Power Adapter with 1.35/3.5mm Connector |
| **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 |

# Related Services

The following services are available for these series:

| SKU | Description |
|---|---|
| **Technology Services** | |
| H86V2E | HPE Aruba Networking Foundational Care 1Y 4HR Exch AP-605R CAT12 SVC |
| H86G8E | HPE Aruba Networking Foundational Care 1Y 4HR Exch AP-605R SVC |
| H86P0E | HPE Aruba Networking Foundational Care 1Y 4HR Exch AP-605R TAA SVC |
| H86W9E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T1 AP-605R CAT12 SVC |
| H86J5E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T1 AP-605R SVC |
| H86Q7E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T1 AP-605R TAA SVC |
| H86X0E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T2 AP-605R CAT12 SVC |
| H86J6E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T2 AP-605R SVC |

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|---|---|
| H86Q8E | HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T2 AP-605R TAA SVC |
| H86V0E | HPE Aruba Networking Foundational Care 1Y NBD Exch AP-605R CAT12 SVC |
| H86G6E | HPE Aruba Networking Foundational Care 1Y NBD Exch AP-605R SVC |
| H86N8E | HPE Aruba Networking Foundational Care 1Y NBD Exch AP-605R TAA SVC |
| H86G7E | HPE Aruba Networking Foundational Care 1Y NBD Exch Hardware Only AP-605R SVC |
| H86N9E | HPE Aruba Networking Foundational Care 1Y NBD Exch Hardware Only AP-605RTAASVC |
| H86V1E | HPE Aruba Networking Foundational Care 1Y NBD Exch HardwareOnlyAP-605RCAT12SVC |
| H86W5E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T1 AP-605R CAT12 SVC |
| H86J1E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T1 AP-605R SVC |
| H86Q3E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T1 AP-605R TAA SVC |
| H86W6E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T2 AP-605R CAT12 SVC |
| H86J2E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T2 AP-605R SVC |
| H86Q4E | HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T2 AP-605R TAA SVC |
| H86V5E | HPE Aruba Networking Foundational Care 3Y 4HR Exch AP-605R CAT12 SVC |
| H86H1E | HPE Aruba Networking Foundational Care 3Y 4HR Exch AP-605R SVC |
| H86P3E | HPE Aruba Networking Foundational Care 3Y 4HR Exch AP-605R TAA SVC |
| H86X9E | HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T1 AP-605R CAT12 SVC |
| H86K5E | HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T1 AP-605R SVC |
| H86R7E | HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T1 AP-605R TAA SVC |
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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.

### 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.

### GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and manage networks.

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