HPE Aruba Networking 600R Series Remote Access Points

HPE Aruba Networking AP-605CM12 CAT12 LTE Cellular Module (R8N34A)

What's new

– Remote Wi-Fi 6E APs 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.

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.

Am optional high-speed LTE cellular module provides primary or backup connectivity for mission critical use cases.

- Convenient wired connectivity with 2.5 Gbps uplink/downlink Ethernet port and multiple 1 Gbps Ethernet ports.

- Zero Touch Provisioning provides ease of implementation in branch offices and remote sites, without on-site technical expertise.

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

Multi-gigabit and gigabit ports, PoE support, 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.

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.

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 even 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.

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

Zero Touch Provisioning 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, 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 AP-605CM12 CAT12 LTE Cellular Module
Product Number	R8N34A
Differentiator	CAT12 LTE cellular module for use in select HPE Aruba Networking products.
Certifications	Wi-Fi Alliance (WFA): 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 Agile Multiband Bluetooth SIG Ethernet Alliance (PoE, PSE device, Class 3)
Input voltage	48V/5W DC
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
Wi-Fi antenna	Integrated omni-directional antennas for 2x2 MIMO with peak antenna gain of 5.5d Bi in 2.4 GHz, 5.5 dBi in 5 GHz and 5.5 dBi in 6 GHz. Built-in antennas are optimized for horizontal desk-mounted orientation of the AP.
Connectivity, standard	Wi-Fi 6E bands: 2.4 GHz, 5 GHz, 6 GHz plus an add-on cellular module for primary or backup connectivity.
Ports	Uplink (E0): Ethernet wired network port (RJ-45) Up-/downlink (E1): Ethernet wired network port (RJ-45) Downlink (E1-E3): Ethernet wired network ports (RJ-45) DC power interface USB 2.0 host interface (Type A connector) Cellular radio module interface (accessible after removing the back cover) Serial console interface (proprietary, micro-B USB physical jack) Kensington security slot.
Mounting	The AP is intended to be desk mounted the integrated antennas are optimized for that. See the ordering guide.
Power consumption	Maximum (worst-case) power consumption: 40W Maximum (worst-case) power consumption in idle mode: 4.9W.
Radio coverage	Indoor, tri-radio, 2.4GHz, 5GHz and 6GHz (dual concurrent) 802.11ax 2x2 MIMO.
Warranty	Limited lifetime hardware warranty. See the warranty duration.
Product dimensions	4.1 x 4.1 x 13.7 cm
Weight	149.7 gm

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: 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.

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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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.

PSN1014739643WWEN, October, 2025.

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