

HPE Aruba Networking AP-605R12-EU Dual-radio Tri-band 2x2 Wi-Fi 6E CAT12 LTE Remote AP (R8N19A)

What's new

- Unlock the 6 GHz band to deliver up to 1200 MHz additional capacity and up to 3.6 Gbps maximum combined data rate to ensure a seamless, secure experience for remote workers and small branches.
- Designed for remote power users and small branches with a high-speed cellular module and flexible operating modes that leverage software-programmable dual radios across 2.4 GHz, 5 GHz, and 6 GHz bands.
- Multiple uplink/downlink options: 2.5 Gbps uplink/downlink Ethernet port, dedicated 1 Gbps uplink port, and three dedicated downlink ports.
- Zero touch provisioning to extend the workplace desk experience anywhere that has an internet or cellular connection.
- Managed via 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.

Overview

HPE Aruba Networking 600R Series Remote Access Points enable IT teams to deliver a seamless and secure user experience to remote power users and small branch environments. The HPE Aruba Networking 600R Series is based on Wi-Fi 6E, achieving a combined maximum 3.6 Gbps data rate (using 5 GHz and 6 GHz bands) and increasing capacity by up to 1200 MHz with more 160 MHz channels to better support ever-increasing Wi-Fi demands, especially for latency-sensitive, high-bandwidth video communications.

HPE Aruba Networking 600R Series Remote Access Points feature dual software-programmable radios that can be tuned to any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, and 6 GHz, plus a high-speed cellular module for primary or backup connectivity. IT teams are able to easily extend the WAN to employees that work from home with route/tunnel orchestration, policy-based routing, WAN health visibility, and cloud security as part of HPE Aruba Networking Central's microbranch functionality.

Features

Delivers Cost-Effective 6 Ghz Coverage for Remote Work and Small Branches

HPE Aruba Networking 600R Series Wi-Fi 6E Remote Access Points offer 6 GHz coverage with up to 1200 MHz more capacity.

3.6 Gbps combined maximum data rate (using the 6 GHz and 5 GHz

bands).

Software-programable radios for any two of the three Wi-Fi 6E bands: 2.4 GHz, 5 GHz, 6 GHz.

Unifies Management Across Campus, Branch, and Remote Work

HPE Aruba Networking 600R Series Remote Access Points are deployed and managed using HPE Aruba Networking Central.

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

HPE Aruba Networking 600R Series Remote Access Points include GPS receivers and fine time measurement to accurately auto-locate themselves.

Support Open Locate, an emerging standard that allows APs to share their location over the air and through cloud-based APIs.

Extends Connectivity with Primary or Backup Cellular Module

HPE Aruba Networking 600R Series Remote Access Points can be extended with a CAT 12 module that includes antennas and a high speed interface for LTE connectivity.

5G ready to future proof your investment.

Builds Upon the Capabilities of Wi-Fi 6 (802.11ax)

HPE Aruba Networking 600R Series Remote Access Points are Wi-Fi Certified™ and support 802.11ax.

Optimizes the user experience and energy consumption via Air Slice for application-level SLAs, Advanced Cellular Coexistence (ACC) to minimize interference, and Intelligent Power Monitoring (IPM).

Technical specifications

HPE Aruba Networking AP-605R12-EU Dual-radio Tri-band 2x2 Wi-Fi 6E CAT12 LTE Remote AP

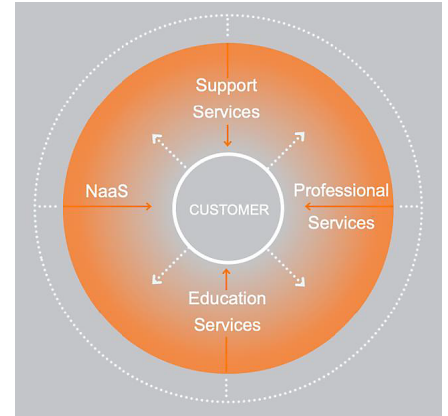
Product Number	R8N19A
Certifications	<p>Wi-Fi Alliance (WFA): Wi-Fi CERTIFIED a, b, g, n, ac Wi-Fi CERTIFIED 6E (ax, 6GHz) WPA, WPA2 and WPA3 – Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE) WMM, WMM-PS, Wi-Fi Agile Multiband Bluetooth SIG Ethernet Alliance (POE, PSE device, class 3)</p>
Input voltage	48V/5W DC
Regulatory	<p>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</p>
Wi-Fi antenna	<p>Integrated omni-directional antennas for 2x2 MIMO with peak antenna gain of 5.5dBi in 2.4GHz, 5.5dBi in 5GHz and 5.5dBi in 6GHz. Built-in antennas are optimized for horizontal desk mounted orientation of the AP. Combining the patterns of each of the antennas of the MIMO radios, the peak gain of the combined, average pattern is 4.4dBi in 2.4GHz, 4.7dBi in 5GHz and 4.7dBi in 6GHz.</p>
Connectivity, standard	<p>Wi-Fi 6E bands: 2.4 GHz, 5 GHz, 6 GHz plus an add-on cellular module for primary or backup connectivity.</p>
Ports	<p>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</p>
Mounting	<p>The AP is intended to be desk mounted the integrated antennas are optimized for that.</p>
Power consumption	<p>Maximum (worst-case) power consumption: 40W Maximum (worst-case) power consumption in idle mode: 4.9W.</p>
Radio coverage	<p>Indoor, tri-radio, 2.4GHz, 5GHz and 6GHz (dual concurrent) 802.11ax 2x2 MIMO.</p>
Warranty	<p>HPE Aruba Networking's hardware limited lifetime warranty. Please visit: https://www.arubanetworks.com/support-services/product-warranties/</p>

For additional technical information, available models and options, please reference the QuickSpecs

Aruba Global Services

Aruba Global Services simplifies and accelerates 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 Aruba Global Services has to offer at: arubanetworks.com/services/



Support Services from Aruba

Support services reduce complexity and increase your team's productivity, ensuring you keep pace with technology advances and software releases, and obtain break-fix support required to keep your network running. Access to premium services means you have the right help at the right time.

Professional Services from Aruba

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 Aruba technology.

QuickStart Services include:

- Planning, audit and assessment
- Intelligent Operations
- Architecture review and design

Proactive Engineering Services include:

- Customer Experience Management
- Deployment, migration, and knowledge transfer
- Network optimization

Our [Education Services](#) allow your team to come up to speed quickly.

Aruba Network as-a-Service (NaaS)

Our NaaS solution, Aruba Managed Connectivity Services, part of the HPE GreenLake services family, simplifies network operations, accelerates equipment handling, and increases the value of your Aruba network. If you need expert guidance and automation-based operations for your team, please explore the NaaS approach from Aruba [here](#).

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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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