

HPE Aruba Networking 600H Series Hospitality Access Points

HPE Aruba Networking AP-605H (USF1) 2-Radio 3-Band 2x2 Wi-Fi 6E 1+4 ETH PSE USB TAA Hospitality AP (S0B63A)



What's new

- High performance Wi-Fi 6E access point ideal for hospitality, branch, and teleworker deployments.
- Flexible coverage across any two bands (2.4 GHz, 5 GHz, and 6 GHz) for up to 3.6 Gbps combined peak data rate.
- Up to seven 160MHz channels in 6 GHz support low-latency, bandwidth-hungry applications such as high-definition video and AR/VR applications.

Overview

The HPE Aruba Networking 600H Series Hospitality Access Points deliver high-performance wireless connectivity to mission critical hospitality, small branch, and remote work environments. The 600H 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 meet increasing demands of bandwidth-hungry video, growing numbers of client and IoT devices, and growth of cloud services.

Configurable dual radios support any two of three Wi-Fi 6E bands (2.4, 5, and 6 GHz) and provide full Wi-Fi 6E coverage in a multi-AP environment. The flexible compact form factor includes multi-gigabit and gigabit ports,

- Combines wireless and wired access in compact desktop or wall mount model that can be PoE powered.
- IoT-ready with support for [1] Bluetooth 5 and Zigbee.

PoE support, and integrated BLE and Zigbee, providing a range of connectivity options ideal for venues such as hotels, residence halls, and remote offices. The 600H Series include a limited lifetime warranty.

Features

High Performance Wi-Fi 6E

HPE Aruba Networking 600H Series Hospitality Access Points are fully Wi-Fi CERTIFIED™ to meet all the requirements for greater efficiency including OFDMA, MUMIMO, and target wake time (TWT) to extend the battery life of devices.

Faster performance with 6 GHz band that delivers up to 1200 MHz additional capacity and 3.6 Gbps maximum combined data rate to better support high-bandwidth, low-latency applications such as high-definition video.

Configurable dual radios support any two of three Wi-Fi 6E bands (2.4, 5, and 6 GHz) and provide full Wi-Fi 6E coverage in a multi-AP environment.

Enhanced wireless experience with ClientMatch technology that removes sticky client issues by steering a client to the AP where it receives the best radio signal and Air Slice that provides service level agreement-grade performance for latency-sensitive, high-bandwidth, and IoT services.

Convenient wired connectivity and support for PoE with fast 2.5 GbE uplink port, two 1 GbE ports, and two 1 GbE PSE ports capable of supplying up to total of 30W PoE.

Simplified Access with Enhanced Security

The HPE Aruba Networking 600H Series Hospitality Access Points offer enhanced security with Dynamic Segmentation to reduce the time-consuming and error-prone task of managing complex and static VLANs, ACLs, and subnets by dynamically assigning policies and keeping traffic secure and separated.

It improves network protection with WPA3 and Enhanced Open for stronger encryption, authentication, and secure credentials for guest access.

To simplify policy enforcement, the 600H Series uses the policy enforcement firewall to encapsulate all traffic from the AP to the gateway (or mobility controller) for end-to-end encryption and inspection.

For enhanced device assurance, the 600H Series includes an installed TPM for secure storage of credentials, keys, and boot code.

Ready for IoT

HPE Aruba Networking 600H Series Hospitality Access Points include an integrated Bluetooth 5 and 802.15.4 radio for Zigbee support to simplify deploying and managing IoT-based location services, asset tracking services, security solutions, and IoT sensors.

The target wake time (TWT) establishes a schedule for when clients need to communicate with an access points to help improve client power savings and reduces airtime contention with other clients.

Advanced IoT Coexistence (AIC) feature uses built-in filtering to allow Wi-Fi and BLE/Zigbee radios to operate at maximum capacity without the impact of interference.

Intelligent Power Monitoring (IPM) provides insights into energy consumption. Our access points continuously monitor and report hardware energy usage. Unlike other the vendors access points, our APs can also be configured to enable or disable capabilities based on available PoE power.



Technical specifications**HPE Aruba Networking AP-605H (USF1) 2-Radio 3-Band 2x2 Wi-Fi 6E 1+4 ETH PSE USB TAA Hospitality AP**

Product Number	SOB63A
Differentiator	Available everywhere except, US, Puerto Rico, Israel, Japan, India and Egypt
Certifications	Wi-Fi Alliance (WFA): Wi-Fi CERTIFIED a, b, g, n, ac Wi-Fi CERTIFIED 6 WPA, WPA2 and WPA3 – Enterprise with CNSA option, Personal (SAE), Enhanced Open (OWE) WMM, WMM-PS, Wi-Fi Agile Multiband Wi-Fi CERTIFIED Location TM Bluetooth SIG Ethernet Alliance (PoE PD device, Class 6 and PoE PSE device, Class 4)
Input voltage	IEEE 802.3af/at/bt (class 3, 4, or 6) PoE, or direct 48V DC power (via optional power supply)
Regulatory	FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU IEC/EN 62368-1 EN 60601-1-1, EN60601-1-2 UL2043
Wi-Fi antenna	AP-605H: Integrated omni-directional antennas for 2x2 MIMO with peak antenna gain of 5.1 dBi in 2.4 GHz, 5.1 dBi in 5 GHz and 5.4 dBi in 6 GHz.
Heat dissipation	Up to 65.2 BTU/hr (worst case, AP unit only, with full USB and PSE load)
Connectivity, standard	Wi-Fi 6E (IEEE 802.11ax)
Ports	1x Ethernet port (RJ45), auto-sensing link speed (100/1000/2500BASE-T) and MDI/MDX. 2.5 Gbps speed complies with NBASE-T and 802.3bz specifications 4x Ethernet 10/100/1000BASE-T ports (RJ45), auto-sensing link speed and MDI/MDX 1x USB 2.0 host interface (Type A connector).
Mounting	Using one of the (separate orderable) mount kits, the access point can be attached to a single or dual gang wall box, directly to a wall, or desk mounted. See the ordering guide.
Power consumption	Up to 50W (worst case, AP with full USB and PSE load)
Radio coverage	AP type: Indoor, tri-band, 2.4 GHz, 5 GHz and 6 GHz (dual concurrent) 802.11ax 2x2 MIMO
Warranty	Limited lifetime warranty. See the warranty duration.

[1] Bluetooth is a trademark owned by its proprietor and used by Hewlett Packard Enterprise under license. All third-party marks are the property of their respective owners.



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

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: <https://www.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: Annual subscription services include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer
- 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.

Make the right purchase decision.
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