

HPE Aruba Networking 720 Series Campus Access Points



What's new

- Fast, secure, and cost-effective Wi-Fi 7 access points for high-density campus deployments.
- Comprehensive triband coverage across 2.4 GHz, 5 GHz, and 6 GHz delivers up to 4.7 Gbps maximum aggregate data rate.
- Flexible integrated IoT radio can be configured for Bluetooth or 802.15.4/Zigbee operation.
- AI-powered orchestration and management with HPE Aruba Networking Central.
- Fast 2.5 Gbps Ethernet wired connectivity

Overview

Designed to deliver cutting-edge Wi-Fi performance, the HPE Aruba Networking 720 Series Campus Access Points offer enterprises a cost-effective solution that addresses the demand for fast, secure, high-performance connectivity.

Leveraging the Wi-Fi 7 standard, these access points boost security, simplify support for IoT devices, and provide highly accurate location-aware capabilities. Offering exceptional deployment flexibility, HPE Aruba Networking Central provides intelligent automation, AI insights, and unified infrastructure management to improve wireless performance and help drive efficient IT operations across both wired and wireless.

This compact indoor Wi-Fi 7 access point is designed with three 2x2 MIMO radios (2.4 GHz, 5 GHz, and 6 GHz), a fast 2.5 Gbps Ethernet port,

and is conveniently powered by PoE (IEEE 802.3af/at).

- Fixed indoor access points with integrated antennas are part of the Low Power Indoor (LPI) device class,

and a flexible IoT radio that's configurable for Bluetooth or Zigbee. The 720 Series includes a limited lifetime warranty.

Features

Wi-Fi 7 With AI-powered Management

The HPE Aruba Networking 720 Series Campus Access Points take advantage of the 6 GHz band to more than double the available capacity and AI-powered management that offers exceptional deployment flexibility - in the cloud, on-premises, or as-a-Service - for Wi-Fi that is easier to manage.

Mid-range Wi-Fi 7 access points, based on the 802.11be standard, deliver up to 4.7 Gbps maximum tri-band aggregate data rate using three 2x2 MIMO radios (2.4 GHz, 5 GHz, and 6 GHz). Supports 20 MHz, 80 MHz, and 160 MHz wide channels.

Intelligent automation, AI insights, and unified infrastructure management, provided by HPE Aruba Networking Central, enhances wireless performance and helps drive efficient IT operations everywhere you deploy your network management - in the cloud, on-premises, or as-a-Service.

Improved roaming and connectivity with HPE Aruba Networking ClientMatch technology that helps eliminate sticky client issues and improve performance of mobile clients.

Dynamic bandwidth adjustments support changing device density, enhanced roaming, and realtime channel assignments to mitigate cochannel interference and builtin filtering automatically minimizes the impact of interference for better Wi-Fi experiences.

Comprehensive Network Security

The HPE Aruba Networking 720 Series Campus Access Points offer enhanced security with dynamic segmentation to eliminate 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.

Network protection with stronger encryption and authentication with WPA3, secure credentials/keys storage for guest access with Enhanced Open, and user and IoT access policy enforcement firewalls.

AI-powered classification of all Wi-Fi clients and IoT devices through HPE Aruba Networking Central uses deep packet inspection to provide behavioral context that help ensure devices are receiving proper policy enforcement and continuous monitoring.

To simplify policy enforcement, the 720 Series uses the Policy Enforcement Firewall (PEF) to encapsulate all traffic from the access point to the gateway (or mobility controller) for end-to-end encryption and inspection.

For enhanced device assurance, HPE Aruba Networking access points include an installed TPM for secure storage of credentials and keys, and boot code.

Expanded IoT Support

The HPE Aruba Networking 720 Series Campus Access Points can serve as flexible IoT platforms that bolster network security and provide coverage for broad range of IoT devices without the need for network overlays for IoT devices.

Configure flexible integrated IoT radio for BLE or 802.15.4/Zigbee operation to simplify deploying and managing IoT-based location services, asset tracking services, security solutions and IoT sensors. A USB port extension provides connectivity to a range of IoT devices.

HPE Aruba Networking Central IoT Operations unifies visibility of IT and OT infrastructure within the network health dashboard by extending network monitoring and insights to BLE, Zigbee, and other non-IP IoT devices. It helps streamline non-Wi-Fi device onboarding and data collection.



Location Services and Energy Saving

The HPE Aruba Networking 720 Series Campus Access Points help organizations deliver precision indoor location services by supporting FTM 802.11az for sub-1 meter accuracy.

AI-powered dynamic power save mode enables the 720 Series to sleep and then automatically wake up when connectivity demand arises, reducing power demands, and lowering the energy footprint.

Target Wake Time establishes a schedule for when IoT clients need to communicate with an access point to help improve client power savings and reduce airtime contention.

Intelligent Power Monitoring provides energy consumption insights as the access points continuously monitor and report hardware energy usage.

HPE Aruba Networking access points can also be configured to enable or disable capabilities based on available PoE power — ideal when wired switches have exhausted their PoE power budget.



Technical specifications

HPE Aruba Networking 720 Series Campus Access Points

Certifications	Bluetooth SIG; Ethernet Alliance (PoE, PD device, Class 4) Wi-Fi Alliance (WFA): <ul style="list-style-type: none">- Wi-Fi CERTIFIED a, b, g, n, ac, 6, 7- WPA2 and WPA3- Enhanced Open (OWE)- WMM, W-Fi Agile Multiband
Input voltage	PoE-PD: 48Vdc (nominal) 802.3af/at PoE (Class 3 or higher);
Regulatory	FCC/ISED CE Marked RED Directive 2014/53/EU UL/IEC/EN 62368-1
Wi-Fi antenna	Integrated down-tilt omni-directional antennas for 2x2 MIMO with peak antenna gain of 5.1 dBi in 2.4 GHz, 5.4 dBi in 5 GHz, and 5.4 dBi in 6 GHz. Built-in antennas are optimized for horizontal ceiling mounted orientation of the AP. The downtilt angle for maximum gain is roughly 30 degrees.
Connectivity, standard	Wi-Fi 7 (IEEE 802.11be)
Ports	E0: Ethernet wired network port (RJ-45); U0: USB 2.0 host interface (Type A connector); Kensington security slot; Serial console interface (proprietary, micro-B USB physical jack); Reset button: Factory reset, LED mode control (normal/off); Visual indicators (four multi-color LEDs) for System (1x) and Radio (3x) status
Mounting	A mounting bracket has been preinstalled on the back of the AP. This bracket is used to secure the AP to any of the mount kits (sold separately). Optional mounting kits available, see the 720 Series ordering guide.
Power consumption	Maximum (worst case) power consumption (without/with USB devices attached): 17.1W/22.8W. Notes: This assumes that up to 5W is supplied to the attached USB device. Maximum (worst-case) power consumption in idle mode: 7.0W/12.5W (PoE). Maximum (worst-case) power consumption in deep-sleep mode: 3.5W (PoE).
Radio coverage	AP type: Indoor, tri radio, 2.4 GHz, 5 GHz and 6 GHz (concurrent) 802.11be 2x2 MIMO
Warranty	Limited lifetime warranty. See the warranty duration.



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.

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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.

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