

HPE Aruba Networking 570EX Series Hazardous Location Access Points

HPE Aruba Networking AP-577EX (EG) Dual Radio 2x2/4x4 Wi-Fi 6
Internal Directional HazLoc AP (R4W35A)



What's new

- Class 1 Division 2 and ATEX Zone 2 certified outdoor Wi-Fi 6 access points provide up to 2.69 Gbps maximum aggregate data rate
- Purpose built for hazardous locations and to survive in some of the harshest outdoor environments and extreme temperatures (-40°C to +65°C)

Overview

HPE Aruba Networking 570EX Series Hazardous Location Access Points provide high-performance wireless connectivity for outdoor hazardous locations like oil fields and rigs, mining facilities, and environments with explosive atmospheres and vapors that require Class 1 Division 2 or ATEX Zone 2 requirements. With Wi-Fi 6 capabilities, Bluetooth 5 and 802.15.4/Zigbee radios, and maximum aggregate data rate of 2.69 Gbps, the 570EX series delivers speed and reliability needed to bring Wi-Fi to hazardous locations.

- Provides policy enforcement for wireless traffic through dynamic segmentation
- Ready for Internet of Things (IoT) with a built-in Bluetooth 5 and 802.15.4 radio that supports Zigbee
- Client and RF optimization to match clients with the best available access point and reduce coverage gaps
- Dynamic segmentation and policy enforcement firewalls automatically enforces consistent policies across networks, keeping users and devices secure

These ruggedized outdoor access points (APs) are purpose-built for hazardous locations and can be quickly deployed using zero touch provisioning. HPE Aruba Networking Central provides a single pane of glass for overseeing wired and wireless LANs, WANs, and VPNs. AI-powered analytics, end-to-end orchestration and automation, and advanced security features are built natively into the solution. The 570EX series includes a limited lifetime warranty.

Features

Ruggedized Outdoor Wi-Fi 6

HPE Aruba Networking 570EX Series Hazardous Location Access Points provide Class 1 Division 2 and ATEX Zone 2 certification to operate in hazardous locations and provide up to 2.69 Gbps combined peak data rate. It provides high-performance wireless connectivity for outdoor hazardous locations.

The series supports the Wi-Fi 6 standard, including features such as orthogonal frequency-division multiple access (OFDMA), bi-directional multi-user MIMO (MU-MIMO), and target wait time (TWT).

It offers enhanced wireless experience with HPE Aruba Networking ClientMatch technology that removes sticky client issues by steering a client to the AP where it receives a good radio signal.

Deploy In Hazardous Locations

HPE Aruba Networking 570EX Series Hazardous Location Access Points are purpose-built to survive in some of the harshest outdoor hazardous locations and can withstand extreme temperatures, persistent moisture and precipitation, and are fully sealed to keep out airborne contaminants.

Weatherproof and temperature hardened, this series can handle temperatures ranging from -40°C to +65°C, including full sun deployments.

The series is Class 1 Division 2 and ATEX Zone 2 certified for the most extreme indoor and outdoor areas with ignitable concentrations of flammable gases, vapors, or liquids.

IoT Ready

HPE Aruba Networking 570EX Series Hazardous Location Access Points can serve as IoT platforms that bolster network security and provide coverage for a range of IoT devices without the need for network overlays.

Supports Bluetooth 5 and Zigbee wireless protocols through an integrated IoT radio, and third-party expansion with an integrated USB port.

Target wake time (TWT) improves battery life of IoT devices.

HPE Aruba Networking Central Client Insights uses deep packet inspection to provide additional context and behavioral information that help verify devices are receiving proper policy enforcement and continuously monitor for rogue devices.

Enhanced Security

HPE Aruba Networking 570EX Series Hazardous Location Access Points offer enhanced security with dynamic segmentation to remove 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 570EX series 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 a PEF to encapsulate traffic from the AP to the gateway (or mobility controller) for end-to-end encryption and inspection.

For enhanced device assurance, HPE Aruba Networking APs include an installed trusted platform module (TPM).

Technical specifications	HPE Aruba Networking AP-577EX (EG) Dual Radio 2x2/4x4 Wi-Fi 6 Internal Directional HazLoc AP
Product Number	R4W35A
Deployment	Hardened Outdoor Ruggedized
Wi-Fi generation	Wi-Fi 6 (802.11ax)
Wi-Fi radios	2x2 (2.4 GHz), 4x4 (5 GHz)
Radio configuration options	2.4 GHz and 5 GHz
Max bandwidths and peak data rate per band	20/40 (2.4 GHz), 20/40/80/160 (5 GHz), peak data rate 2.69 Gbps, maximum data rate 5.38 Gbps
Wi-Fi antenna	AP-577EX models: Built-in 90°H x 90°V directional antennas
Ultra tri-band (UTB) filtering	No
IoT support	Bluetooth 5 or 802.15.4 (Zigbee)
Integrated sensor	No
Location services	802.11 FTM support
Cellular support	No
Wired network interface	1 x 2.5GbE, 1 x 1GbE
MACsec support	No
AP operating system support	HPE Aruba Networking Operating System 8 and HPE Aruba Networking Instant OS HPE Aruba Networking Operating System 10
AP management	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service
Certifications	CB Scheme Safety, cTUVus Wi-Fi Alliance® CERTIFIED 802.11a/b/g/n/ Wi-Fi CERTIFIED® 6 (802.11ax) Wi-Fi CERTIFIED ac (with Wave 2 features) Wi-Fi CERTIFIED Location Class 1 Div 2 ATEX Zone 2
Regulatory	FCC/ISED CE Marked RED Directive 2014/53/EU EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU IEC/EN/UL 62368-1 EN 60601-1-1, EN60601-1-2

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Warranty	Limited lifetime warranty. See the warranty duration.
Weight	2.1 kg
Product dimensions	13 x 23 x 22 cm (H x W x D) Not including mounting bracket
Ports	EO: HPE Smart Rate port (RJ-45) E1: 100/1000BASE-T (RJ-45) USB-C console interface

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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