

HPE Aruba Networking 560EX Series Hazardous Location Access Points



What's new

- Class 1 Division 2 and ATEX Zone 2 certified outdoor Wi-Fi 6 APs provide up to 1.49 Gbps maximum aggregate data rate
- It is purpose built for hazardous locations and to survive in one of the harshest outdoor environments and extreme temperatures (-40 °C to +55 °C)
- Internet of Things (IoT)-ready with a built-in Bluetooth 5 and 802.15.4 radio that supports Zigbee
- It has client and RF optimization to

Overview

HPE Aruba Networking 560EX Series Hazardous Location Access Points provide cost-effective Wi-Fi 6 connectivity for outdoor hazardous locations like oil fields and rigs, mining facilities, and environments with explosive atmospheres and vapors that need Class 1 Division 2 or ATEX Zone 2 solutions. With Wi-Fi 6 capabilities, Bluetooth 5 and 802.15.4/Zigbee radios, and maximum aggregate data rate of 1.49 Gbps, the 560EX series delivers the speed and reliability needed to bring Wi-Fi to hazardous locations.

These Wi-Fi 6 outdoor access points (APs) are purpose-built for hazardous locations and can be quickly deployed using zero touch provisioning (ZTP). HPE Aruba Networking Central provides a single pane of glass for overseeing wired and wireless LANs, WANs, and VPNs. AI-powered analytics, endtoend orchestration and automation, and advanced security features are built

match clients with the top available AP and reduce coverage gaps

natively into the solution. The 560EX series includes a limited lifetime warranty.

- Dynamic segmentation and policy enforcement firewalls (PEF) automatically enforces consistent policies across every network, keeping users and devices secure

Features

Cost-Effective Outdoor Wi-Fi 6 For HazLoc Environments

HPE Aruba Networking 560EX Series Hazardous Location Access Points provide Class 1 Division 2 and ATEX Zone 2 certification to operate in hazardous locations, provide up to 1.49 Gbps combined aggregate data rate and high performance wireless connectivity for outdoor hazardous locations.

It 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 wake time (TWT).

Enhanced wireless experience with HPE Aruba Networking ClientMatch technology removes sticky client issues by steering a client to the AP where it receives one of the strong radio signals.

Deploy In Hazardous Locations

HPE Aruba Networking 560EX Series Hazardous Location Access Points are purpose-built to survive in one 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 +55°C, including full sun deployments.

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

It offers small form factor for flexible deployment.

IoT Ready

HPE Aruba Networking 560EX 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.

The AP supports Bluetooth 5 and Zigbee wireless protocols through an integrated IoT radio.

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

The 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 560EX Series Hazardous Location Access Points offers 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.

It 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 (PEF).

This AP simplifies policy enforcement by using 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 560EX series includes an installed trusted platform module (TPM) for protected storage of credentials and keys, and boot code.

Technical specifications	HPE Aruba Networking 560EX Series Hazardous Location Access Points
Deployment	Hardened Outdoor Ruggedized
Wi-Fi generation	Wi-Fi 6 (802.11ax)
Wi-Fi radios	Dual 2x2
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 (5 GHz), peak data rate 1.49 Gbps, maximum data rate 1.78 Gbps
Wi-Fi antenna	HPE Aruba Networking 560EX Series Hazardous Location Access Points models: AP-565EX: Built-in omnidirectional antennas AP-567EX: Built-in 90°H x 90°V directional antennas
Ultra tri-band (UTB) filtering	No
IoT support	IEEE 802.15.4/Zigbee or Bluetooth 5
Integrated sensor	No
Location services	802.11 FTM support
Cellular support	No
Wired network interface	1 x 1GbE
MACsec support	No
AP operating system support	HPE Aruba Networking Wireless Operating System 8 and HPE Aruba Networking Instant OS 8.7.1.0; HPE Aruba Networking Wireless Operating System 10
AP management	On-premises Public Cloud Virtual Private Cloud (VPC) as a Service
Certifications	CB Scheme Safety, cTUVus UL2043 plenum rating Wi-Fi Alliance® certified 802.11a/b/g/n/ Wi-Fi Alliance certified Wi-Fi 6 (802.11ax) Wi-Fi CERTIFIED® ac (with wave 2 features) Wi-Fi CERTIFIED Location Class 1 Division 2 certified ATEX Zone 2 certified

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
 For more country-specific regulatory information and approvals, contact your HPE representative.

Warranty

Limited lifetime warranty. See the [warranty duration](#).

Ports

EO: 10/100/1000BASE-T (RJ-45)
 USB-C console interface

SKU overview

- R4W60A:** HPE Aruba Networking AP-565EX (EG) 802.11ax Dual 2x2 Radio Internal Omni Antennas Outdoor Hazloc AP
- S5D91A:** HPE Aruba Networking AP-565EX (ID) Dual Radio 2x2 802.11ax Internal Omni Antennas HazLoc Outdoor AP
- R4W28A:** HPE Aruba Networking AP-565EX (IL) Dual Radio 2x2 802.11ax Internal Omni Antennas Outdoor HazLoc AP
- R4W61A:** HPE Aruba Networking AP-565EX (JP) 802.11ax Dual 2x2 Radio Internal Omni Antennas Outdoor HazLoc AP
- R4W62A:** HPE Aruba Networking AP-565EX (RW) 802.11ax Dual 2x2 Radio Internal Omni Antennas Outdoor HazLoc AP
- R4W63A:** HPE Aruba Networking AP-565EX (US) 802.11ax Dual 2x2 Radio Internal Omni Antennas Outdoor HazLoc AP
- R4W64A:** HPE Aruba Networking AP-567EX (EG) Dual Radio 2x2 Wi-Fi 6 Internal Directional HazLoc Access Point
- S5D92A:** HPE Aruba Networking AP-567EX (ID) Dual Radio 2x2 802.11ax Int Dir Ants HazLoc Outdoor Access Point
- R4W29A:** HPE Aruba Networking AP-567EX (IL) Dual Radio 2x2 Wi-Fi 6 Internal Directional HazLoc Access Point
- R4W65A:** HPE Aruba Networking AP-567EX (JP) Dual Radio 2x2 Wi-Fi 6 Internal Directional HazLoc Access Point
- R4W66A:** HPE Aruba Networking AP-567EX (RW) Dual Radio 2x2 Wi-Fi 6 Internal Directional HazLoc Access Point
- R4W67A:** HPE Aruba Networking AP-567EX (US) Dual Radio 2x2 Wi-Fi 6 Internal Directional HazLoc Access Point

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.

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- 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.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and [manage networks](#).

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

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[PSN1013142829PLEN](#), May, 2026.

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