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 access points that provide up to 1.49 Gbps maximum aggregate data rate.

- Purpose built for hazardous locations and to survive in one of the harshest outdoor environments and extreme temperatures (-40˚C to +65˚C).

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.

- Internet of Things (IoT)-ready with a built-in [1] 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 (PEF) that automatically enforces consistent policies across all networks, keeping users and devices secure.

These Wi-Fi 6 outdoor 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. AIpowered analytics, endtoend orchestration and automation, and advanced security features are built natively into the solution. The 560EX Series includes a limited lifetime warranty.

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 wait 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 best 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 +65˚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 all 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.

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

Technical specifications

HPE Aruba Networking 560EX Series Hazardous Location Access Points

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
Wi-Fi antenna	AP-565EX: Built-in Omni Directional Antennas AP-567EX: Built-in 90°H x 90°V Directional Antennas 5GHz: Two spatial stream Single User (SU) MIMO for up to 1.2 Gbps wireless data rate with individual 2SS HE80 802.11ax client devices, or with two 1SS HE80 802.11ax MU-MIMO capable client devices simultaneously. 2.4GHz: Two spatial stream Single User (SU) MIMO for up to 574 Mbps (287 Mbps) wireless data rate with individual 2SS HE40 (HE20) 802.11ax client devices or with two 1SS HE40 (HE20) 802.11ax MU-MIMO capable client devices simultaneously.
Connectivity, standard	Wi-Fi 6 (802.11ax) Bluetooth 5 and 802.15.4 radio 2.4 GHz Bluetooth 5: up to 8 dBm transmit power and -95 dBm receive sensitivity Zigbee: up to 8 dBm transmit power and -97 dBm receive sensitivity Up to 4 dBm transmit power (class 2) and -91 dBm receive sensitivity Visual indicator (multi-color LED): For system and radio status
Ports	Reset button: Factory reset (during device power up) USB-C console interface E0: 10/100/1000BASE-T (RJ-45) Auto-sensing link speed and MDI/MDX PoE-PD: 48 VDC (nominal) 802.3at/bt (Class 3 or higher) 802.3az Energy Efficient Ethernet (EEE)
Mounting	Optional mounting kits available, see the ordering guide.
Power consumption	Maximum (worst-case) power consumption: 15.6W Maximum (worst case) power consumption in idle mode: 4.2W Maximum (worst case) power consumption in deep-sleep mode: 1.7 Power sources sold separately
Radio coverage	Outdoor Hardened, Wi-Fi 6 dual radio, 5 GHz 2x2 MIMO and 2.4 GHz 2x2 MIMO Software-configurable dual radio supports 5 GHz (Radio 0) and 2.4 GHz (Radio 1) Up to 256 associated client devices per radio Up to 16 BSSIDs per radio
Warranty	Limited lifetime warranty. See the warranty duration.

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:
- 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.

Visit **HPE.com**

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Zapraszamy do kontaktu!
Więcej informacji: **www.kreski.pl**

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