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 match clients with the top available

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. AIpowered analytics, endtoend orchestration and automation, and advanced security features are built natively into the solution. The 560EX series includes a limited lifetime

AP and reduce coverage gaps

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

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 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
Ports	E0: 10/100/1000BASE-T (RJ-45) USB-C console interface
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

Technical specifications	HPE Aruba Networking 560EX Series Hazardous Location Access Points
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.

SKU overview

SKU	Description
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

Related Options

The following options are available for these series:

SKU	Description
Enterprise Networking Products	
Q8N47A	HPE Aruba Networking Otdr AP Covers/Glands 1pk M25/5pk M20 Cover and Gland/2pk M16 Cover Ground Kit
Q8N48A	HPE Aruba Networking Outdoor AP Metric to Standard M20 to 1/2 inch NPT 5-pk Thread Adapter
Mounting Rack/Rail Options	
R6W11A	HPE Aruba Networking AP-270-MNT-H3 Outdoor AP Hanging Dual-Tilt Pole/Wall Mounting Bracket
R9H97A	HPE Aruba Networking AP-OUT-MNT-V1A Outdoor AP Long Arm Pole/Wall Mounting Bracket
Power Management Options	
R6P67A	HPE Aruba Networking AP-POE-ATSR 1-Port Smart Rate 802.3at 30W Midspan Injector
R7T40A	HPE Aruba Networking PD-9501-5GCO-AC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector
R7T41A	HPE Aruba Networking PD-9501-5GCO-DC 60W 802.3bt Smart Rate Otdr Surge Protection Midspan Injector
Wireless Devices	
S1E83A	HPE Aruba Networking AP-503 (RW) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point
S1E84A	HPE Aruba Networking AP-503 (US) 10-Pack Dual Radio 2x2:2 Wi-Fi 6 Campus Access Point

Related Services

The following services are available for these series:

SKU	Description
Technology Services	
HW1W6E	HPE Aruba Networking Foundational Care 1Y 4HR Exch AP-565EX SVC
HW1U5E	HPE Aruba Networking Foundational Care 1Y 4HR Exch AP-567EX SVC
HW1Z2E	HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T1 AP-565EX SVC
HW1M1E	HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T1 AP-567EX SVC
HW1Z3E	HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T2 AP-565EX SVC
HW1M2E	HPE Aruba Networking Foundational Care 1Y 4HR Exch Vol T2 AP-567EX SVC
HW1W4E	HPE Aruba Networking Foundational Care 1Y NBD Exch AP-565EX SVC
HW1U3E	HPE Aruba Networking Foundational Care 1Y NBD Exch AP-567EX SVC

HW1W5E	HPE Aruba Networking Foundational Care 1Y NBD Exch Hardware Only AP-565EX SVC
HW1U4E	HPE Aruba Networking Foundational Care 1Y NBD Exch Hardware Only AP-567EX SVC
HW1Y8E	HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T1 AP-565EX SVC
HW1L7E	HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T1 AP-567EX SVC
HW1Y9E	HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T2 AP-565EX SVC
HW1L8E	HPE Aruba Networking Foundational Care 1Y NBD Exch Vol T2 AP-567EX SVC
HW1X0E	HPE Aruba Networking Foundational Care 3Y 4HR Exch AP-565EX SVC
HW1U9E	HPE Aruba Networking Foundational Care 3Y 4HR Exch AP-567EX SVC
HW2A2E	HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T1 AP-565EX SVC
HW1N1E	HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T1 AP-567EX SVC
HW2A3E	HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T2 AP-565EX SVC
HW1N2E	HPE Aruba Networking Foundational Care 3Y 4HR Exch Vol T2 AP-567EX SVC
HW1W9E	HPE Aruba Networking Foundational Care 3Y NBD Exch AP-565EX SVC
HW1U8E	HPE Aruba Networking Foundational Care 3Y NBD Exch AP-567EX SVC
HW1W8E	HPE Aruba Networking Foundational Care 3Y NBD Exch Hardware Only AP-565EX SVC
HW1U7E	HPE Aruba Networking Foundational Care 3Y NBD Exch Hardware Only AP-567EX SVC
HW1Z8E	HPE Aruba Networking Foundational Care 3Y NBD Exch Vol T1 AP-565EX SVC
HW1M7E	HPE Aruba Networking Foundational Care 3Y NBD Exch Vol T1 AP-567EX SVC
HW1Z9E	HPE Aruba Networking Foundational Care 3Y NBD Exch Vol T2 AP-565EX SVC
HW1M8E	HPE Aruba Networking Foundational Care 3Y NBD Exch Vol T2 AP-567EX SVC
HW1Y0E	HPE Aruba Networking Foundational Care 5Y 4HR Exch AP-565EX SVC
HW1V9E	HPE Aruba Networking Foundational Care 5Y 4HR Exch AP-567EX SVC
HW1T0E	HPE Aruba Networking Foundational Care 5Y 4HR Exch Vol T1 AP-565EX SVC
HW1Q1E	HPE Aruba Networking Foundational Care 5Y 4HR Exch Vol T1 AP-567EX SVC
HW1T1E	HPE Aruba Networking Foundational Care 5Y 4HR Exch Vol T2 AP-565EX SVC
HW1Q2E	HPE Aruba Networking Foundational Care 5Y 4HR Exch Vol T2 AP-567EX SVC
HW1X9E	HPE Aruba Networking Foundational Care 5Y NBD Exch AP-565EX SVC
HW1V8E	HPE Aruba Networking Foundational Care 5Y NBD Exch AP-567EX SVC
HW1X8E	HPE Aruba Networking Foundational Care 5Y NBD Exch Hardware Only AP-565EX SVC
HW1V7E	HPE Aruba Networking Foundational Care 5Y NBD Exch Hardware Only AP-567EX SVC
HW1S6E	HPE Aruba Networking Foundational Care 5Y NBD Exch Vol T1 AP-565EX SVC
HW1P7E	HPE Aruba Networking Foundational Care 5Y NBD Exch Vol T1 AP-567EX SVC
HW1S7E	HPE Aruba Networking Foundational Care 5Y NBD Exch Vol T2 AP-565EX SVC
HW1P8E	HPE Aruba Networking Foundational Care 5Y NBD Exch Vol T2 AP-567EX SVC

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.

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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