Cisco Catalyst IW9167E Heavy Duty Access Point for Hazardous Locations

The Cisco Catalyst™ IW9167E Series comes to hazardous locations with the IW9167E-HZ model.

Figure 1. Cisco Catalyst IW9167E-HZ Heavy Duty Access Point

The Catalyst IW9167E-HZ delivers high-performance, reliable wireless connectivity to environments that need Class I Division 2, ATEX Zone 2/22, or IECEx certifications, such as the oil and gas, chemical, and pharmaceutical industries.

The Catalyst IW9167E-HZ introduces the Cisco® Ultra-Reliable Wireless Backhaul (URWB) technology into the hazardous environments, to enable mission-critical applications requiring greater reliability than Wi-Fi alone can provide.

- Use **Wi-Fi 6/6E**[1] to connect your Wi-Fi enabled endpoints leveraginghigher density, higher throughput, more channels, power efficiency, and improved security than previous Wi-Fi versions.
- Use **URWB** to connect your most demanding applications with wireless backhaul, delivering high speeds, ultra-reliability, low latency, zero loss, and seamless handoffs.

URWB delivers ultra-low latency and ultra-reliability over distance, in point to point, point to multipoint, or mesh architectures. It can be used as a wireless backhaul where wired connectivity is unavailable or prohibitively expensive to deploy and maintain.

URWB can be easily enabled in the field, making it easy to support both access and wireless backhaul use cases at the same time from a single access point. This eliminates the need for duplicating infrastructure, optimizing your investment To learn more about URWB, please read the Cisco Ultra-Reliable Wireless Backhaul Solution Overview.

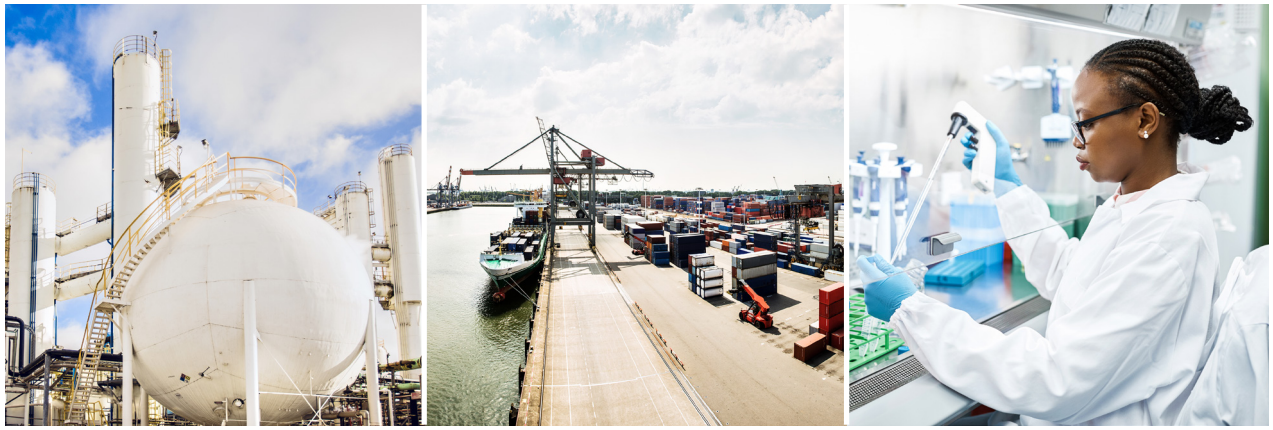

Figure 2. The Catalyst IW9167E-HZ brings Wi-Fi 6/6E and URWB to hazardous locations

[1] Wi-Fi 6E availability based on local regulations

Key features and benefits

The Catalyst IW9167E-HZ has all the features you need to connect, automate, and operate in hazardous locations.

- Three 802.11ax radios (2.4 GHz, 5 GHz, and 5/6 GHz) enable you to use different applications on different radios.
- 4x4 MIMO, four spatial streams, eight N-type antenna connectors.
- Wide choice of HAZLOC-certified antennas to better suit each use case, including antennas used with the prior generation, the IW6300H Series.
- High throughput with two Multigigabit RJ-45, SFP+ ports. Large port size for easier cabling.
- Built-in rugged certified M25 ports, and every port is usable without breaking certification.
- Heavy-duty design: IP67-certified enclosure to operate under extreme water, dust, and temperature conditions (-50° to +75°C; -58° to 167°F).
- Class I Division 2, ATEX Zone 2/22, and IECEx certifications for hazardous locations.
- Metal caps to cover ports and the vent.
- GNSS radio with extra impact protection.
- IoT radio supports potential industrial protocol container-based applications.
- Supports Bluetooth Low Energy (BLE) and scanning radio for spectrum management, minimizing interference.
- Can be powered by Power over Ethernet (PoE), Cisco UPOE®, or DC.

Consult the datasheet for more detailed specifications. Reach out to one of our sales representatives or partners, or request a one-on-one demo.