

# Release Notes for Cisco Ultra Reliable Wireless Backhaul on Catalyst IW Access Points, Release 17.16.x

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## Introduction to this Document

This document provides information about the Ultra-Reliable Wireless Backhaul (URWB) mode of operation for the Cisco Catalyst IW9167E Heavy Duty Access Point, Cisco Catalyst IW9165D Heavy Duty Access Point, and Cisco Catalyst IW9165E Rugged Access Point and Wireless Client. UWRB is supported as part of the Unified Industrial Wireless (UIW) software.

This document describes the new features, limitations, troubleshooting, besides providing recommended configurations, caveats, and information on how to obtain support and documentation.

### Product References

For more information on products supporting this release, see the documentation landing pages of:

- [Catalyst IW9167 Heavy Duty Access Point](#)
- [Catalyst IW9165E Rugged Access Point](#)
- [Catalyst IW9165D Heavy Duty Access Point](#).

This Release Note primarily provides information about the URWB mode of operation. For more details about Workgroup Bridge (WGB), check the [Release Notes for Cisco Catalyst 9800 Series Wireless Controller, Cisco IOS XE 17.16.x](#).

## What's New in Release 17.16.1

This table lists the new and modified features in UIW release 17.16.1:

Feature Name	Description
4900-4990 MHz Frequency Support for US and Canada with License Enforcement	<p>This feature supports a 4.9 GHz frequency band in URWB mode for the -A (Canada) and -B (United States) domains. AP can activate the 4.9 GHz frequency band by retrieving the 4.9 GHz frequency band enablement information from the IW service using online or offline modes.</p> <p>The 4.9 GHz frequencies for -A and -B domains support channel bandwidths of 10 MHz and 20 MHz.</p> <p>For more information, see the chapter <a href="#">Configure and Validate Radio Channel and Bandwidth</a>.</p>
Additional Country Codes Support	<p>This release introduces support for these countries in the -ROW domain.</p> <p>Cisco Catalyst IW9167E AP: Algeria, Bahamas, Costa Rica, Nigeria, and Panama.</p> <p>Cisco Catalyst IW9165E and IW9165D AP: Algeria, Costa Rica, Iraq, Mongolia, Pakistan, and Panama.</p> <p>For more information, see the chapter <a href="#">Fixed Domains and Country Codes (ROW)</a>.</p>
Network Address Translation	<p>This release introduces support for the Network Address Translation (NAT) feature on the AP. With NAT, you can assign port numbers to each application on the Automated Guided Vehicle to manage data flow in both downstream and upstream directions.</p> <p>For more information, see the chapter <a href="#">Network Address Translation</a>.</p>

## Software Compatibility Matrix

Unified Industrial Wireless Software Release	Access Point Image Version Number	Supported Access Points
17.16.1	17.16.0.88	<ul style="list-style-type: none"> <li>• Catalyst IW9167E Heavy Duty Access Point</li> <li>• Catalyst IW9165E Rugged Access Point</li> <li>• Catalyst IW9165D Heavy Duty Access Point</li> </ul>

## Supported Software and Hardware

This table lists the compatible software and hardware for the Catalyst IW9167E and IW9165 Access Points:

Access Point Model	Unified Industrial Wireless Image	Supported PID
Catalyst IW9165	ap1g6m-k9c1	<ul style="list-style-type: none"> <li>• IW9165E-x</li> <li>• IW9165DH-x</li> </ul>
Catalyst IW9167E	ap1g6j-k9c1	IW9167EH-x

## Caveats

Caveats describe unexpected behaviour in Cisco releases in a product. Caveats that are listed as Open in a prior release is carried forward to the next release as either Open or Resolved.

### Cisco Bug Search Tool

The Cisco [Bug Search Tool](#) allows partners and customers to search for software bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. The BST is designed to improve the effectiveness in network risk management and device troubleshooting. The tool has a provision to filter bugs based on credentials to provide external and internal bug views for the search input. To view the details of a caveat, click the corresponding identifier.

### Open Caveats

The open caveats for this release can be accessed through this [link](#) from BST.

### Resolved Caveats

The resolved caveats for this release can be accessed through this [link](#) from BST.

## Related Documentation

For information on products related information, see these documents:

- [Information about Cisco IOS XE](#)
- [Cisco Validated Design documents](#)
- [URWB Telemetry Protocol 2.0.19](#)
- [Release Notes for Cisco Catalyst 9800 Series Wireless Controller, Cisco IOS XE 17.16.x.](#)

### Data Sheets

- [Cisco Catalyst IW9167 Heavy Duty Series Data Sheet](#)
- [Cisco Catalyst IW9165 Series Data Sheet.](#)

### Hardware Installation Guides

- [Cisco Catalyst IW9167E Heavy Duty Access Point Hardware Installation Guide](#)
- [Cisco Catalyst IW9165D Heavy Duty Access Point Hardware Installation Guide](#)
- [Cisco Catalyst IW9165E Rugged Access Point and Wireless Client Hardware Installation Guide.](#)

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see [Support & Downloads](#).

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