



Release Notes for Cisco Catalyst IR8140 Heavy Duty Series Router – Release 17.5.1

Updated: June 2, 2021

The following release notes support the Cisco Catalyst IR8140 Heavy Duty Series Router (IR8140H), the next generation modular IP 66/67 Industrial Router for outdoor use. There are two IR8140H models:

- IR8140H-P-K9 (PoE PSE)
- IR8140H-K9 (Without PoE)

These release notes are updated to describe new features, limitations, troubleshooting, recommended configurations, caveats, and provide information on how to obtain support and documentation.

Note: The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

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General Description

The IR8140H Series features 4 external module slots plus two onboard WAN ports and supports the following:

- 60W PSU
- GNSS onboard transceiver
- 900MHz WPAN – OFDM/FSK

Image Information and Supported Platforms

- 4G/LTE IRMH modules
- mSATA module
- 1x 1Gbe SFP WAN
- 1x 1Gbe Cu WAN
- PoE (15W) – Supported only on the IR8140H-P-K9 PID
- 12VDC_OUT port (Only available when PoE is not in use)
- Battery Backup Units (BBUs) – Up to 3
- 2x Alarm ports (Digital IO)

Image Information and Supported Platforms

Note: You must have a Cisco.com account to download the software.

Cisco IOS-XE Release 17.5.1 includes the following Cisco images:

- IR8100-universalk9.17.05.01.SPA.bin
- IR8100-universal9_npe.17.05.01.SPA.bin

The latest software downloads for the IR8100 can be found at:

<https://software.cisco.com/download/home/286287045>

Click on the IR8100 link to take you to the specific software you are looking for.

Interface Naming Conventions

The following table shows the names of the interfaces.

Table 1 Hardware Interface Naming Convention

Port	Naming Convention
Gigabit Ethernet ports	GigabitEthernet0/0/0 GigabitEthernet0/0/1
Cellular Interface on IR1101 Base	Cellular 0/2/0 Cellular 0/2/1 Cellular 0/3/0 Cellular 0/3/1
mSATA SSD	msata
WPAN	Wpan0/1/0
Digital IO	alarm contact 1-2

Additional configuration steps are found in the [IR1101 Software Configuration Guide](#).

Related Documentation

The following documentation is available:

Caveats

- All of the Cisco IR8100 Industrial Integrated Services Router documentation can be found here:
<https://www.cisco.com/c/en/us/support/routers/catalyst-ir8100-heavy-duty-series-routers/series.html>
- Cisco IOS XE Bengaluru 17.5.1
<https://www.cisco.com/c/en/us/support/ios-nx-os-software/ios-xe-bengaluru-17-5-1/model.html>

Caveats

Caveats describe unexpected behavior in Cisco IOS releases. Caveats listed as open in a prior release are carried forward to the next release as either open or resolved.

Note: You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the [Bug Search Tool Help & FAQ](#).

Open Caveats

- **bug**
headline
Symptom: text
Workaround: text

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
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Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco website at www.cisco.com/go/offices.

YANG Data Models: For the list of Cisco IOS XE YANG models available navigate to:

<https://github.com/YangModels/yang/tree/master/vendor/cisco/x/>

Revision statements embedded in the YANG files indicate if there has been a model revision. The README.md file in the same GitHub location highlights changes that have been made in the release.

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