



# Cisco IOS Release 15.7(3)M0a - Release Notes for Cisco IR807 Industrial Integrated Services Router

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The following release notes support the Cisco IOS 15.7(3)M0a release on the IR807 ISR. These release notes are updated to describe new features, limitations, troubleshooting, recommended configurations, caveats, and provide information on how to obtain support and documentation.

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# Image Information and Supported Platforms


**Note**

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

Cisco IOS Release 15.7(3)M0a includes the following Cisco IOS images:

- IOS Image: ir800l-universalk9-mz.SPA.157-3.M0a.bin

The latest downloads for the IR807 can be found at:

<https://software.cisco.com/download/navigator.html?mdfid=286287045&flowid=75322>

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


**Note**

The cipher **dhe-aes-256-cbc-sha** (which is used with the commands **ip http client secure-ciphersuite** and **ip http secure-ciphersuite**) is no longer available in IOS 15.6(3)M and later as part of the weak cipher removal process. This cipher was flagged as a security vulnerability.

## IR807 SKUs

The IR807 routers are highly compact Cisco IOS routers with support for integrated 4G LTE wireless WAN capabilities.

Their benefits include:

- Easily and rapidly deployable
- Highly available and highly secure
- Reliable operation and seamless integration with SCADA systems
- Designed for power-constrained and harsh environments, tolerating a wide temperature range
- Compact, lightweight, and DIN rail mountable, with all input/output ports and connectors on the front panel for easy installation in space-constrained cabinets
- Well suited to industrial applications ranging from distribution automation for utilities to transportation and manufacturing, as well as remote asset management across the extended enterprise

These routers deliver enterprise-class features -- including highly secure data, voice, and video communications -- to stationary and mobile network nodes across wired and wireless links. The Cisco 807 industrial router supports enterprise-grade, wireline-like functionality such as:

- Dynamic Multipoint VPN (DMVPN)
- Quality of service (QoS) for cellular
- Multi-Virtual Route Forwarding (VRF) for cellular

For a complete listing of the routers capabilities, see:

<https://www.cisco.com/c/en/us/products/routers/807-industrial-integrated-services-routers/index.html>

SKU ID	Description	Modem Type
IR807G-LTE-VZ-K9	North America (Verizon)	WP7601
IR807G-LTE-NA-K9	North America (AT&T)	WP7504
IR807G-LTE-GA-K9	EMEA	WP7502

## Related Documentation

The following documentation is available:

- Cisco IOS 15.7M cross-platform release notes:  
<https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/15-7m/release/notes/15-7-3-m-rel-notes.html>
- All of the Cisco IR800 Industrial Integrated Services Router documentation can be found here:  
<http://www.cisco.com/c/en/us/support/routers/800-series-industrial-routers/tsd-products-support-series-home.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](#).

## Cisco IOS Release 15.7(3)M0a

The following sections list caveats for Cisco IOS Release 15.7(3)M0a:

### Open Caveats

- **CSCvf94856:**  
Cellular Modem Temp going to Zero  
**Symptom:** In some cases and different devices, the modem temperature field will have value 0.  
**Conditions:** Random cases and different devices  
**Workaround:** The other temperature sensors in the system will provide correct value and can be followed.
- **CSCvg27047:**  
Access to ports 2002,4002,6002,9002 disrupts CLI command output at IR807 console

**Symptom:** It is observed that targeting those ports with TCP sync packets by means of telnet can terminate unfinished UUT's display of CLI command output. For example, "**show run**" may display a few lines before being cut off when the following message occurs:  
"Connecting to virtual console, enter Ctrl-^ followed by x, then "disconnect" to return to router prompt" due to connecting to one of the above ports.

**Conditions:** Telnet to any of ports 2002, 4002, 6002, 9002. Numerous messages appear at originating terminal and some at the UUT

**Workaround:** None

- **CSCvc67818**

Interface are not coming up after doing warm reboot

**Symptom:** Interface does not come up after doing warm reboot using "reload warm" CLI

**Conditions:** Seen intermittently FA interfaces do not come back up and the temperature values for FastEthernet ports shows as -25 degree.

**Workaround:** None

- **CSCvf64263**

Error messages have been seen during a high load condition on the cellular interface.

**Symptom:** During a high load condition on the cellular interface error messages are displayed.

**Conditions:** Seen when a device is booted with write erase and the default configuration of ipv6 address autoconfig is getting added to the cellular 0 interface. Time out error messages are seen on console logs when the PNP image is loaded and other ping traffic is sent to the cellular interface.

**Workaround:** None

- **CSCvf79943**

Removing Cellular GPS connection displays random values for timestamp field.

**Symptom:** When removing the GPS connection for 5-10 minutes, the IR807 displays some random values for "Year" field while executing the cli **show cellular 0 gps**.

**Conditions:** Displayed in the "Timestamp" parameter and the change in Year values is random with field values going from 1992 to 2005 and then coming back to 1907.

**Workaround:** None

- **CSCvg06182**

The router shows GSM option which is not supported.

**Symptom:** PLMN force selection for NA device shows GSM option which is not supported on NA.

**Conditions:** Problem was found by performing the following steps:

1. Shut all the cellular interfaces.
2. Change the PLMN force selection option to other technology For example: **cellular 0 lte plmn select force 123 45 2 lte permanent**

```
IR807#cellular 0 lte plmn select force 123 45 2 ?
  gsm  GSM
  lte  LTE
  umts UMTS
IR807#cellular 0 lte plmn select force 123 45 2 gsm permanent
IR807#
```

```
*Sep 21 13:27:33.087: %CELLWAN-4-MANUAL_PLMN_SELECTION_FAILED: Manual/Force PLMN
Selection Failed. Error[1025]
```

IR807#

**Workaround:** None

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Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

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