Cisco ATA 191 Analog Telephone Adapter Release Notes for Firmware Release 12.0(1)SR5

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Release Notes

These release notes support Cisco 191 Analog Telephone Adapter running Firmware Release 12.0(1)SR5.

The following table lists the support and protocol compatibility for Cisco ATA 191.

Table 1: Cisco ATA 191, Support, and Firmware Release Compatibility

Cisco IP Phone	Protocol	Support Requirements
Cisco ATA 191	SIP	Cisco Unified Communications Manager 10.5(1) and later Cisco Unified Communications Manager DST Olsen version D or later

What's new in this release

The features Ring Cadence, CPC and MTU are configurable via CUCM (12.5.1SU7 and later, 14SU3 and later). They are not configurable in early firmware releases. Below are their parameters, which can be found under "Product Specific Configuration Layout" of Phone Configuration in CUCM.

- Ring1 Cadence, Ring2 Cadence
- CPC Delay, CPC Duration
- MTU Size

Cisco ATA 191 Analog Telephone Adapter

The Cisco ATA 191 Analog Telephone Adapter allows you to turn an analogue phone or fax communication device into an IP phone. With this device, you can retain your investment in your current equipment, but also benefit from an IP-based telephony network.

The ATA 191 supports many of the current telephony features, including shared lines, conferencing, and voicemail. It has two images or partitions in permanent storage, which allows the device to recover if the initial image is corrupted. With the dedicated Problem Report Tool button, you can quickly and easily collect troubleshooting information. The Cisco ATA 191 also supports IPv6, and SSH.

The ATA 191 is easily integrated into your current network. It has two RJ11 ports, each with a phone number, and one RJ45 port that provides access to an Ethernet network. Phone configuration is done through an IVR system, and you use a web interface to monitor logs and provide device information.

Where to Find More Information

- *Cisco ATA 191 Analog Telephone Adapter Administration Guide for Cisco Unified Communications Manager*
- *Cisco ATA 191 Analog Telephone Adapter User Guide for Cisco Unified Communications Manager*

Related Documentation

Use the following sections to obtain related information.

Cisco Unified Communications Manager Documentation

See the *Cisco Unified Communications Manager Documentation Guide* and other publications that are specific to your Cisco Unified Communications Manager release. Navigate from the following documentation URL:

https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/tsd-products-support-series-home.html

Cisco Unified Communications Manager Express Documentation

See the Cisco Unified Communications Manager Express publications that are specific to your Cisco Unified Communications Manager Express release. Navigate from the following documentation URL:

https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-express/tsd-products-support-series-home.html

Cisco ATA 190 Series Documentation

Refer to publications that are specific to your language and call control system. Navigate from the following documentation URL:

https://www.cisco.com/c/en/us/products/unified-communications/ata-190-series-analog-telephone-adapters/index.html

User Guide Accessibility

The *Cisco ATA 191 User Guide for Cisco Unified Communications Manager* is accessible for people with limited sight or who are blind. The HTML version of the document is now compatible with the Job Access With Speech (JAWS) reader, so visually impaired users can access information about their device.

Where to Find More Information

- *Cisco ATA 191 User Guide for Cisco Unified Communications Manager*

Installation

Installation Requirements

Before you install the firmware release, you must ensure that your Cisco Unified Communications Manager is running the latest device package. After you install a device package on the Cisco Unified Communications Manager servers in the cluster, you need to reboot all the servers.

Note If your Cisco Unified Communications Manager doesn't have the required device package to support this firmware release, the firmware may not work correctly.

For information on the Cisco Unified Communications Manager Device Packages, see https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/compat/matrix/CMDP_BK_CCBDA741_00_cucm-device-package-compatibility-matrix.html.

Install the Firmware Release on Cisco Unified Communications Manager

Before you use the Cisco Analog Telephone Adapter with Cisco Unified Communications Manager 10.5, or higher, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

Besides Cisco Unified Communications Manager, the Cisco ATA 191 can also work with Cisco Unified Communications Manager Express and Cisco Unified Survivable Remote Site Telephony (SRST). Refer to the Related Documentation, on page 2 section for more information.

Procedure

Step 1 Go to the following URL:
https://software.cisco.com/download/navigator.html?mdfid=268437683&flowid=77852

Step 2 Choose **ATA 190 Series Analog Telephone Adapters** > **ATA 191 Analog Telephone Adapter**.

Step 3 In the Latest Releases folder, choose **12.0.1 SR5**.

Step 4 Select **cmterm-ATA191.12-0-1-0506-010.k4.cop.sha512** firmware, click the Download or Add to cart button ,and follow the prompts.

Step 5 Click the + next to the firmware file name in the Download Cart section to access additional information about this file. The hyperlink for the readme file is in the Additional Information section, which contains installation instructions for the corresponding firmware.

Step 6 Follow the instructions in the readme file to install the firmware.

Install the Firmware Zip Files

Before you use the Cisco Analog Telephone Adapter with Cisco Unified Communications Manager 10.5, or higher, you must install the latest firmware on all Cisco Unified Communications Manager servers in the cluster.

Besides Cisco Unified Communications Manager, the Cisco ATA 191 can also work with Cisco Unified Communications Manager Express and Cisco Unified Survivable Remote Site Telephony (SRST). Refer to the Related Documentation, on page 2 section for more information.

Procedure

Step 1 Go to the following URL:
https://software.cisco.com/download/navigator.html?mdfid=268437683&flowid=77852

Step 2 Choose **ATA 190 Series Analog Telephone Adapters** > **ATA 191 Analog Telephone Adapter**.

Step 3 In the Latest Releases folder, choose **12.0.1 SR5**.

Step 4 Select **cmterm-ATA191.12-0-1-0506-010.zip** firmware, click the Download or Add to cart button, and follow the prompts.

Step 5 Click the + next to the firmware file name in the Download Cart section to access additional information about this file. The hyperlink for the readme file is in the Additional Information section, which contains installation instructions for the corresponding firmware.

Step 6 Follow the instructions in the readme file to install the firmware.

Limitations and Restrictions

Manufacturing Installed Certificate Signature and SHA-256 Support

The manufacturing installed certificate(MIC) signature has been updated from SHA-128 with RSA to SHA-256 with RSA. You must update and install the new SHA-2 certificates on the Cisco Unified Communications Manager for secure mode to function. You can download the new certificate from http://www.cisco.com/security/pki/certs/cmca2.cer.

All applications that authenticate the phone MIC should update the MIC, including the following:

- Cisco Unified Communications Manager

- Cisco Unified Survivable Remote Site Telephony

- Cisco Secure Access Control System

- Cisco Identity Services Engine

For additional information about SHA-2 use and support, see *Security Guide for Cisco Unified Communications Manager* (https://www.cisco.com/c/en/us/support/unified-communications/unified-communications-manager-callmanager/products-maintenance-guides-list.html).

Phone Behavior During Times of Network Congestion

Anything that degrades network performance can affect phone audio and, in some cases, can cause a call to drop. Sources of network degradation can include, but are not limited to, the following activities:

- Administrative tasks, such as an internal port scan or security scan

- Attacks that occur on your network, such as a Denial of Service attack

Caveats

This section describes the resolved and open caveats, and provides information on accessing the Cisco Software Bug Toolkit.

View Caveats

You can search for caveats using the Cisco Bug Search.

Known caveats (bugs) are graded according to severity level, and can be either open or resolved.

Before you begin

To view caveats, you need the following items:

- Internet connection

- Web browser

- Cisco.com user ID and password

Procedure

Step 1   Perform one of the following actions:

- Use this URL for all caveats: https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286282490&rls=12.0(1)SR5&sb=fr&bt=custV

- Use this URL for open caveats: https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286282490&rls=12.0(1)SR5&sb=fr&sts=open&bt=custV

- Use this URL for resolved caveats: https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286282490&rls=12.0(1)SR5&sb=fr&sts=fd&bt=custV

Step 2   When prompted, log in with your Cisco.com user ID and password.

Step 3   (Optional) Enter the bug ID number in the Search for field, then press **Enter**.

Open Caveats

The following lists shows the severity 1, 2, and 3 defects that are open for the Cisco ATA 191 Analog TelephoneAdapter Firmware Release 12.0(1)SR5.

For more information about an individual defect, access the Bug Search toolkit and search for the defect usingthe Identifier. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, the table reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in AccessCisco Bug Search, on page 6.

There are no open caveats in this release.

Resolved Caveats

The following list shows the severity 1, 2, and 3 defects that are resolved for the Cisco ATA 191 Analog Telephone Adapter Release Firmware Release 12.0(1)SR5.

For more information about an individual defect, access the Bug Search toolkit and search for the defect usingthe Identifier. You must be a registered Cisco.com user to access this online information.

Because defect status continually changes, the table reflects a snapshot of the defects that were open at the time this report was compiled. For an updated view of open defects, access Bug Toolkit as described in AccessCisco Bug Search, on page 6.

CSCwb01287 ATA191 Randomly transitions status to "None" on CUCM after network flap
CSCwa93871 ATA191 Unable to parse Line 2 information from configuration file
CSCwc07742 ATA191 Supporting Ring Cadence configuration from CUCM
CSCwc07750 ATA191 Supporting Calling Party Control (CPC) configuration from CUCM
CSCwc07755 ATA191 Supporting MTU configuration from CUCM
CSCva34585 ATA191 require to remove background Beep tones in secure mode
CSCwc10877 ATA191 not properly assign hook flash timers when configured by 3rd party application
CSCwc13348 ATA191 is unable to answer calls when RTP Packet Time is set over 90ms
CSCvz93504 Heap Overflow and more vulnerabilities
CSCwa24849 Cisco ATA19x CDP Out-of-Bounds Read
CSCwa24837 Cisco ATA19x CDP Memory Leak
CSCwa52085 ATA191 CVE-2019-20054: Linux kernel NULL pointer dereference issue
CSCwa52091 ATA191 CVE-2019-19066: Linux kernel memory leak issue
CSCwa52092 ATA191 CVE-2019-19252: Linux kernel does not prevent write access issue
CSCvw92005 ATA191 CVE-2017-10661: Linux kernel use-after-free vulnerability

Access Cisco Bug Search

Known problems (bugs) are graded according to severity level. These release notes contain descriptions of the following:

- All severity level 1 or 2 bugs

- Significant severity level 3 bugs

You can search for problems by using Cisco Bug Search.

Before you begin

To access Cisco Bug Search, you need the following items:

- Internet connection

- Web browser

- Cisco.com user ID and password

Procedure

Step 1 To access Cisco Bug Search, go to:

https://tools.cisco.com/bugsearch

Step 2 Log in with your Cisco.com user ID and password.

Step 3 To look for information about a specific problem, enter the bug ID number in the Search for field, then press **Enter**.

Cisco IP Phone Firmware Support Policy

For information on the support policy for phones, see https://cisco.com/go/phonefirmwaresupport.