Cisco ATA 191 Analog Telephone Adapter Release Notes for Firmware Release 12.0(1)SR3

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Release Notes

These release notes support the Cisco 191 Analog Telephone Adapter (ATA) running Firmware Release 12.0(1)SR3.

The following table lists the support and protocol compatibility for the 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
Cisco ATA 191	SIP	CME 12.6

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 (Unified CM) is running the latest device pack. After you install a device pack on the Unified CM servers in the cluster, you need to reboot all the servers.

Note If your Unified CM doesn't have the required device pack to support this firmware release, the firmware may not work correctly.

For information on the Unified CM Device Packs, 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 1 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 SR3**.

Step 4 Select **cmterm-ata191.12-0-1-0301-002.k3.cop.sgn** 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 1 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 SR3**.

Step 4 Select **cmterm-ata191.12-0-1-0301-002.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

- 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=286319456&rls=12.0(1)SR3&sb=anfr&sts=fd&svr=3nH&bt=custV
- Use this URL for open caveats: https://bst.cloudapps.cisco.com/bugsearch/search?kw=Customer%20visible%20bug%20for%20ATA191%2012.0.1SR3&pf=prdNm&pfVal=286319456&sb=null&sts=open&bt=custV
- Use this URL for resolved caveats: https://bst.cloudapps.cisco.com/bugsearch/search?kw=*&pf=prdNm&pfVal=286319456&rls=12.0(1)SR3&sb=fr&sts=fd&svr=3nH&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 Telephone Adapter Firmware Release 12.0(1)SR3.

For more information about an individual defect, access the Bug Search toolkit and search for the defect using the 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 Access Cisco Bug Search, on page 5.

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)SR3.

For more information about an individual defect, access the Bug Search toolkit and search for the defect using the 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 Access Cisco Bug Search, on page 5.

- CSCvr15504 ATA 191 plays voicemail stutter tone when Audible Message Waiting Indicator (AMWI) is off
- CSCvr10149 Support unique ATA hostname in DHCP option 12
- CSCvs12983 ATA191 fails to respond to simultaneous incoming SIP INVITE
- CSCvs13002 ATA191 may not get its configuration if there is a delay in receiving an IP address
- CSCvv86958 Add LED indication for RESET button factory reset case
- CSCvv86951 ATA191 will do unregister when dhcp renew hostname change
- CSCvv86940 ATA191 Message Waiting Indicator (MWI) not functioning on analog phones
- CSCvw22353 ATA191 need to support HTTP provision for CUCM configuration files
- CSCvq23763 Evaluation of ATA 191 for TCP SACK vulnerabilities
- CSCvs38055 CVE-2019-5482: Heap buffer overflow in the TFTP protocol handler in cURL 7.19.4 to 7.65.3
- CSCvs38052 CVE-2019-11190: Linux bypass ASLR on setuid programs vulnerability
- CSCvs38051 CVE-2019-10638: Linux hash collisions vulnerability
- CSCvs38050 CVE-2019-15214: Linux use-after-free vulnerability in the sound
- CSCvs38047 CVE-2019-15916: Linux memory leak register_queue_kobjects
- CSCvs38046 CVE-2018-17972: Linux kernel proc_pid_stack function Vulnerability
- CSCvw30147 ATA191 cannot auto register after receiving 503 service unavailable on cucm12.5
- CSCvw30155 ATA191 doesn't support HTTP auto firmware upgrade

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.