Release Notes for Avaya B179 SIP Conference Phone Releases 2.4.0.22 and 2.4.0.23

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Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Which version is for you?

These two releases, 2.4.0.22 and 2.4.0.23, run only on the Avaya B179 SIP Conference Phone. They are identical except that 2.4.0.23 includes support for strong encryptions and 2.4.0.22 does *NOT* include support for signaling encryption (SIP over TLS), media encryption (SRTP) or HTTPS as is required in some jurisdictions.

Please consult with local regulatory authorities to determine if strong encryption is permitted in your jurisdiction and insure that you use only version 2.4.0.22 if not permitted.

In jurisdictions that allow the use of strong encryption, we recommend that you use version 2.4.0.23.

New content

- LLDP
    - B179 will send the following elements to the LLDP server
        - **Chassis ID**: contains the IP address of the B179
        - **Port ID**: contains the MAC address of the B179
        - **Time-to-live**: contains the number of second that LLDP information is considered valid
        - **MAC/PHY Configuration/Status**: contains the speed and duplex capabilities that are advertised when autonegotiation is enabled and the current operational speed and duplex settings of the Ethernet line interface
        - **LLDP-MED Capabilities**: identifies the types of LLDP MED capabilities supported by the telephone
        - **Network Policy**: indicates whether layer 2 frames are being tagged, and if so, contains the voice VLAN ID and the layer 2 user priority (QoS) value, as well as the layer 3 DSCP value
        - **Inventory – Software Revision**: contains the file name of the main software image as set in the parameter APPNAME
        - **Inventory – Serial Number**: contains the serial number of the telephone
        - **Inventory – Manufacturer Name**: contains the name Avaya
        - **Inventory – Model Name**: contains a shortened version of the model identifier for the telephone as specified by the parameter MODEL with the final "Dxxx" characters removed
        - **Call Server IP Address**: contains the IP address of the call server with which the B179 is registered
        - **IP Phone Address**: contains the B179's IP address, its subnet mask and the IP address of the router
        - **File Server IP Address**: contains the IP address of the file server used by the B179
    - B179 will use the following elements provided by the LLDP server:
        - **VLAN ID**
- Lock down SD card for firmware upgrade
- Lock down web interface.
- DHCP SSON Configuration. The B179 will use values of the following parameters if they are included in DHCP option SSON:
    - HTTPSRVR, TLSSRVR, HTTPDIR and L2QVLAN
- 3-Proxy Failover Support for a B179 registered to Avaya Aura 6.0+ directly or through Avaya Session Border Controller for Enterprise 6.2+.
- *Limited* 3-Proxy Failover Support for a B179 registered to UCaasS: The B179 will register simultaneously to the first and second proxy only if no failover/failback sequence has occurred since the B179 rebooted. Once the B179 fails over to the secondary proxy and fails back to the first, it will only support alternate registration to the secondary proxy.

- Automatic Fail-back to Primary Proxy.
- Improved IP Office check-sync support to allow IP Office to tell a B179 to reboot and download the configuration file and any new software

Deferred content

- **RTCP monitoring** support will not be available until our next release for which we do not yet have a delivery date.

- **Server-hosted conferences for Communication Server 1000** with media encryption (SRTP) capabilities requires a change that will be delivered in a future CS 1000 service pack as well as a corresponding change in the B179 software. As a result, release 2.4 only supports server-hosted conferencing when using media without encryption.

- The **IP Office Paging/intercom** feature has been deferred until a necessary change to the IP Office software is delivered. We do not have an ETA.

Resolved MRs

Ticket ID	Summary
AVAYAB100-208	Fixed display of number of contacts in LDAP search
AVAYAB100-222	Remove certificates when doing factory reset.
AVAYAB100-166	Cannot change password from web interface while on active call.
AVAYAB100-97	Cannot change any network related settings from web interface during active call
AVAYAB100-39	Phone should not include' telephone event ' media attribute in SDP when inband-DTMF is selected.
AVAYAB100-198	Fixed settings for daylight savings on web
AVAYAB100-262	Phone crashes after downgrading firmware from build 2.3.9.3
AVAYAB100-263	Device Management options are disappeared (except Enable and Use DHCP option) after configuring the manual file server address on Web browser
AVAYAB100-258	Web Interface says 503 Service Unavailable
AVAYAB100-200	Error parsing option 242 string from DHCP server
AVAYAB100-316	B179 (2.3.9) application crashes when receiving an external with long name
AVAYAB100-336	phone still displays calling party name of second participant when conference call is successfully made
AVAYAB100-343	Phone does not get DNS address after restarting application
AVAYAB100-344	/inc directory can be listed and browsed through port 80
AVAYAB100-342	The TLS/SIPs call is dropped when denying service on SM
AVAYAB100-323	The incoming call was dropped after 30 seconds incase phone registered to Secondary server using SIPs/TLS
AVAYAB100-243	Invited user is still in conference after he hangs up his call
AVAYAB100-268	Dialed out B179 User cannot retrieve the call in AAC Conferencing
AVAYAB100-352	B179 stops playing audio after it's muted for five minutes
AVAYAB100-348	HTTP Error when trying to change the date format

Ticket ID	Summary
AVAYAB100-286	Phone doesn't reboot when Save button is pressed on Provisioning web page

Known Defects

Ticket ID	Summary	Workaround
AVAYAB100-209	B179 hangs for several minutes when trying to access the external phone if the LDAP URL is invalid	Please insure that the LDAP URL is properly configured and confirm this by checking that when the External Phone Book is accessed from the, it displays in a timely fashion
AVAYAB100-213	The B179 will crash if it receives a SIP request containing a REPLACES header and "Enable SIP Replaces" is not enabled	For any B179 that will be registered to IP Office, set "Enable SIP Replaces" to TRUE.
AVAYAB100-246	If an 1100 or 1200 Series Deskphone running SIP 4.4.18 (4.4 SP2) connected to CS1000 with MSBT is enabled tried to place a call to B179, the call fails.	In a system with B179s as well as 1100s or 1200s, disable MSBT.
AVAYAB100-369	B179 ignores VLAN setting advertised via LLDP	The B179 waits a maximum of 31 seconds for a message from an LLDP server. If your network configuration can not guarantee that the B179 will receive a message from the LLDP server meant to change the VLAN ID within 31 seconds, you should configure the VLAN ID using the L2QVLAN parameter in DHCP option SSON, in the configuration file or using the Web interface.

Known Limitations

DHCP SSON: Contrary to the note in the web interface, allowable choices for SSON include only options 43, 60, 61, 62 and 128 through 254

DHCP SSON: The B179 will use values of only four parameters from DHCP option specified by SSON:
- HTTPSRVR, TLSSRVR, HTTPDIR and L2QVLAN.

The B179 will ignore any other parameters that might be included in the option.

UCaaS or **ACME SBC**: When connected to UCaaS or through an ACME SBC, the B179 will register simultaneously to the first and second proxy only if no failover/failback sequence has occurred since the B179 rebooted. Once the B179 fails over to the secondary proxy and fails back to the first, it will only support alternate registration to the secondary proxy. The only known impact is that any failover or failback after the first will require a few seconds longer.

Upgrading an Avaya B179 Conference Phone

Log in to the web interface as administrator.
1. Select **Settings** > **Provisioning**.
2. Click on the **Browse…** button and locate and select the firmware file.
3. Click the **Upgrade** icon.

The download and installation process can take several minutes. Do not interrupt the upgrade and do not unplug the network cable to the Avaya B179 during the upgrade. Interrupting the upgrade may render the conference phone inoperable.

When installation is complete, the message "*Upgrade Complete. The unit will be rebooted.*" is shown in your browser, and after a while you hear the Avaya audio brand, which indicates that the conference phone has started.

Note

Users with version 2.2.5 installed on the B179 must revert the phone to factory default firmware before upgrading. If the phone is not restored to factory default firmware before the upgrade, the upgrade might not work properly.

Ensure that you copy the phone settings before restoring the phone to factory default firmware. You may need to re-administer the copied settings after the upgrade.

Remote upgrade is supported over HTTP only. FTP, TFTP and HTTPS are not supported.

Software compatibility

The B179 conference phone is supported on the following call servers:

	Interoperable Versions	Comments
Communication Manager	CM 5.2.1 w/ SES 5.2.1	
Avaya Aura	AURA 6.0+	
IP Office (Stand-alone or distributed branch)	IPO 7.0+	
IP Office (Centralized branch)	IPO 9.1+	
Communication Server 1000	CS1000 6.0+	TLS requires CS 1000 7.6+ Server hosted conferencing is available only with unencrypted media.
Avaya Session Border Controller for Enterprise	SBCE 6.2+ w/ AURA 6.0+	

Other configurations of call servers and circuit boards were not tested and interoperability cannot be guaranteed.