

Avaya Solution & Interoperability Test Lab

## Application Notes for Aiphone IX Series Video Master Stations and Avaya IP Office<sup>TM</sup> – Issue 1.0

### Abstract

These Application Notes describe the procedures for configuring Aiphone IX Series Video Master Stations which were compliance tested with Avaya IP Office<sup>TM</sup>.

The overall objective of the interoperability compliance testing was to verify Aiphone IX Series Video Master Stations functionalities in an environment comprised of Avaya IP Office<sup>TM</sup> and various Avaya endpoints. Aiphone IX Series Video Master Stations are SIP based door phones.

Readers should pay attention to **Section** Error! Reference source not found., in particular the scope of testing as outlined in **Section** Error! Reference source not found. as well as any observations noted in **Section** Error! Reference source not found., to ensure that their own use cases are adequately covered by this scope and results.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

### 1. Introduction

These Application Notes describe the configuration steps required for Aiphone IX Series Video Master Stations to interoperate with Avaya IP Office (IP Office). During the compliance testing, Aiphone IX MV7-HB was used (IX-MV7).

The Aiphone IX Series Video Master Stations are part of Aiphone IX Series 2 Door Stations. The Video Master Stations act as SIP phones when connected to IP Office. Stations come in various versions, please see **Appendix A** regarding available versions of IX-MV7 devices. They have a built-in camera allowing for H.264 based two-way video, and a 7-inch screen. Additionally, the Master Stations have intercom features that include paging, line supervision, device check, and picture in picture when using 3rd party ONVIF Profile S cameras (not tested).

During the compliance test, Avaya IP Office Server Edition was used as a primary system and Avaya IP Office 500V2 as an expansion system. Aiphone IX-MV7 registered as a 3<sup>rd</sup> party SIP phone using UDP to the Avaya IP Office Server Edition.

# 2. General Test Approach and Test Results

The focus of this interoperability compliance testing was to verify that the Aiphone IX-MV7 can register as a SIP endpoint on IP Office, and is able to originate and receive both audio and video calls to and from the IP Office system.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

Avaya recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in these DevConnect Application Notes included the enablement of supported encryption capabilities in the Avaya products. Readers should consult the appropriate Avaya product documentation for further information regarding security and encryption capabilities supported by those Avaya products.

Support for these security and encryption capabilities in any non-Avaya solution component is the responsibility of each individual vendor. Readers should consult the appropriate vendor-supplied product documentation for more information regarding those products.

For the testing associated with these Application Notes, the interface between Avaya systems and Aiphone did not utilize secure capabilities.

### 2.1. Interoperability Compliance Testing

The general test approach was to place calls to and from, Aiphone IX-MV7, and exercise basic telephone operations. The main objectives were to verify the following:

- Registration
- Audio and Video calls
- Calls to/from Avaya SIP Video & Audio endpoints
- Calls to/from Avaya H.323 Audio endpoints
- Calls to/from Avaya Digital & Analog endpoints
- Calls to/from PSTN via SIP Trunks
- Hold/Resume, Call Transfer and Conferencing
- Call termination (origination/destination)
- Serviceability

### 2.2. Test Results

The test objectives were verified, and the features tested worked as expected with the following observations.

- Video quality from Aiphone IX-MV7 was very pixelated. This issue was fixed by Aiphone in Release 3.00.
- When a call from IX-MV7 is placed on hold while direct media is disabled, un-hold action resulted in disconnection of the call. This issue was fixed by Aiphone in Release 3.00.
- When a call is placed from Aiphone IX-MV7 to Avaya IX<sup>TM</sup> Workplace client, resulted video was one-way. This issue was fixed by Aiphone in Release 3.00.

#### 2.3. Support

For technical support on Aiphone IX-MV7, please contact Aiphone via the following: **Japan** 

- Web: <u>https://www.aiphone.co.jp/</u>
- Phone: 052-228-9961

#### USA, Canada

- Web: <u>https://www.aiphone.com/home</u>
- Email: tech@aiphone.com
- Phone: 800-692-0200

#### France

- Web: <u>https://www.aiphone.fr/</u>
- Phone: 01 69 11 46 00

#### Australia, New Zealand

- Web: <u>https://www.aiphone.com.au/</u>
- Phone: (02)80364507

#### Singapore

- Web: <u>http://www.aiphone.com.sg/</u>
- Email: admin@aiphone.com.sg
- Phone: 6534-1135

#### United Kingdom

- Web: <u>https://www.aiphone.co.uk/</u>
- Phone: 020-7507-6250

## 3. Reference Configuration

**Figure 1** illustrates a sample configuration consisting of Avaya IP Office components and Aiphone IX-MV7.

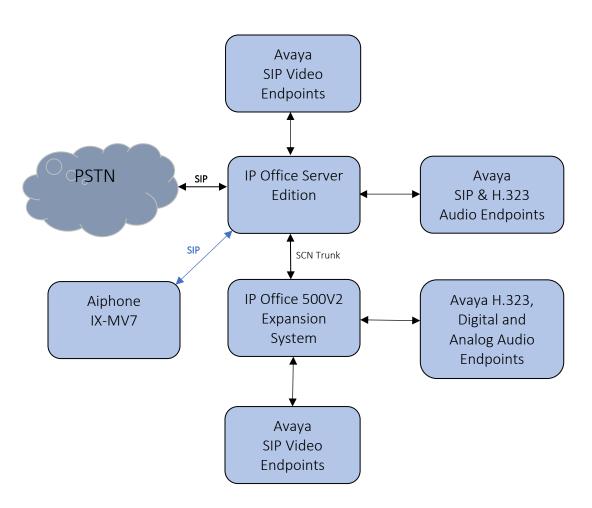


Figure 1: Test Configuration of Aiphone IX-MV7 with Avaya IP Office

### 4. Equipment and Software Validated

The following equipment and software were used for the test configuration.

Equipment	Software/Firmware
Avaya IP Office Server Edition	11.0.4.0.0 build 74
Avaya IP Office 500V2	11.0.4.0.0 build 74
Avaya IP Office Manager	11.0.4.0.0 build 74
Avaya 9600 Series H.323 IP Deskphones	6.8002
Avaya J129 SIP Phone	4.0.0.0.21
Avaya IX Workspace	3.7.0.102.3
Avaya H175 Collaboration Station	1.0.2.3
Avaya Vantage K175 Phone	3.5.0
Avaya 9504 Digital Phone	0.55
Avaya 6210 Analogue Telephone	-
Aiphone IX Series Video Master Station IX-MV7-HB	3.00.

**Note:** Compliance Testing is applicable when the tested solution is deployed with a standalone IP Office 500 V2 and also when deployed with IP Office Server Edition in all configurations.

## 5. Configure Avaya IP Office<sup>™</sup>

This section provides the procedures for configuring IP Office. The procedures include the following areas:

- Verify IP Office license
- Obtain LAN IP address
- Administer SIP registrar
- Administer SIP extensions
- Administer SIP users

These steps are performed from the Avaya IP Office Manager.

#### 5.1. Verify IP Office License

From a PC running the Avaya IP Office Manager application, select **Start**  $\rightarrow$  **All Programs**  $\rightarrow$  **IP Office**  $\rightarrow$  **Manager** to launch the Manager application. Select the proper IP Office system if there are more than one IP Office system, and log in with the appropriate credentials.

The Avaya IP Office Manager screen is displayed. From the configuration tree in the left pane, select License  $\rightarrow 3^{rd}$  Party IP Endpoints to display the available licenses in the right pane. Verify that the License Status field is set to Valid for  $3^{rd}$  Party IP Endpoints feature.

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erverEdition • License	•	-					
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Configuration						- in (	×   ✓   <
BOOTP (15)	License Remote Server						
Ø Operator (3) Solution	PLDS File Status Valid						
ura Solution 	Select Licensing Valid						
🗄 📲 Group(2)	Select Licensing Valid						
Short Code(45) Directory(0)	Feature	Instances	Status	Expiration Date	Source	^	Add
<ul> <li>Time Profile(0)</li> </ul>	Receptionist	10	Valid	Never	PLDS Nodal		
Account Code(0)	Additional Voicemail Pro Ports	252	Valid	Never	PLDS Nodal		Remove
📲 User Rights(9) Location(0)	VMPro Recordings Administrators	1	Valid	Never	PLDS Nodal		
ServerEdition	Office Worker	1000	Valid	Never	PLDS Nodal		
⊞	VMPro TTS Professional	40	Valid	Never	PLDS Nodal		
⊞ री Line (3)	Power User	1000	Valid	Never	PLDS Nodal		
E Control Unit (9)	Avaya IP endpoints	1000	Valid	Never	PLDS Nodal		
⊕	SIP Trunk Channels	256	Valid	Never	PLDS Nodal		
🗄 📲 Osel (14)	CTI Link Pro	1	Valid	Never	PLDS Nodal		
Short Code (3)	3rd Party IP Endpoints	1000	Valid	Never	PLDS Nodal		
	Server Edition	150	Valid	Never	PLDS Nodal		
Incoming Call Route (3)	UMS Web Services	1000	Valid	Never	PLDS Nodal		
D D D I (1)	Avaya Mac Softphone	1000	Valid	Never	PLDS Nodal		
IP Route (1)		1000	Valid	Never	PLDS Nodal		
	Avaya Softphone Licence						
License (23) ARS (1) Location (0)	Avaya Softphone Licence SM Trunk Channels	128	Valid	Never	PLDS Nodal		
<ul> <li>► License (23)</li> <li>⊕ Y ARS (1)</li> <li>→ Location (0)</li> <li>→ Authorization Code (0)</li> </ul>		128 64	Valid Valid	Never	PLDS Nodal PLDS Nodal		
License (23) ✓ ARS (1) 	SM Trunk Channels						

#### 5.2. Obtain LAN IP Address

From the configuration tree in the left pane, select **System** to display the System screen in the right pane. Select the **LAN1** tab, followed by the **LAN Settings** sub-tab in the right pane. Make a note of the **IP Address**, which will be used later to configure Aiphone IX-MV7.

📶 Avaya IP Office Select Manager for	Server Edition ServerEdition [11.0.4.0.0 build 74]	↔ –
File     Edit     View     Tools     Help       ServerEdition <ul> <li>System</li> <li></li></ul>	ServerEdition	
Configuration	E ServerEdition	ini - Ini   ×   <   >
	System       LAN1       LAN2       DNS       Voicemail       Telephony       Directory Services       System Events       SMTP       SMDR       VolP         LAN Settings       VolP       Network Topology       IP       Address       10       64       .110       65         IP Address       10       64       .110       .65       IP       Mask       .255       .255       .0         Number Of DHCP IP Addresses       189       .       .       .	Contact Center Avaye

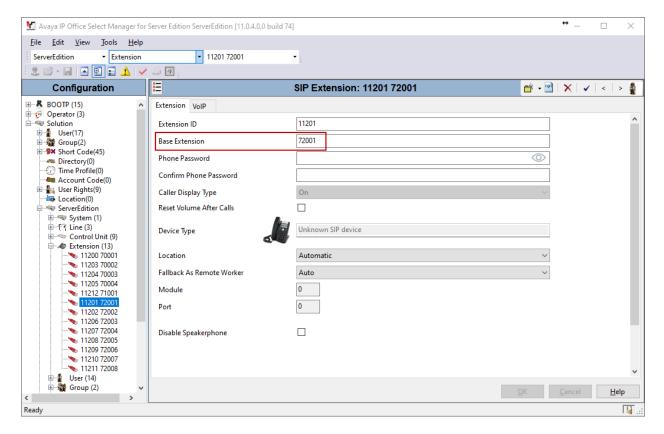
### 5.3. Administer SIP Registrar

Continuing from above, select the **VoIP** sub-tab. Ensure that **SIP Registrar Enable** is checked, as shown below.

🛂 Avaya IP Office Select Manager for S	Server Edition ServerEdition [11.0.4.0.0 build 74]	↔ _	$\Box$ ×
File Edit View Tools Help			
ServerEdition - System	▼ ServerEdition ▼		
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Configuration	ServerEdition*	🖻 - 🗎   🗙	✓   <   >
<ul> <li>BOOTP (15)</li> <li></li></ul>	System         LAN1         LAN2         DNS         Voicemail         Telephony         Directory Services         System Events         SMTP         SMDR         VolP           LAN Settings         VolP         Network Topology         VolP         Network Topology         VolP         Network Topology         VolP         VolP         Network Topology         VolP         VolP	Contact Center	Avaya 🔸 🕨
User(17)     Group(2)     Stort Code(45)     Time Profile(0)     Goux Code(0)     Goux Code(0)     Goux Code(0)     Goux Code(0)     Goux Code(0)	H.323 Gatekeeper Enable         Auto-create Extension         Auto-create Extension         H.323 Signaling over TLS         Disabled         V         Remote Call Signaling Port		^
← Cacation(0) ← ServerEdition ← System (1) ← ServerEdition ⊕ - f 3 Line (3) ⊕ - 4 Extension (13)	✓ SIP Trunks Enable         ✓ SIP Registrar Enable         Auto-create Extension/User         SIP Remote Extension Enable         Allowed SIP User Agents         Block blacklist only         SIP Domain Name	,	=
	SIP Registrar FQDN		

### 5.4. Administer SIP Extensions

To create a new SIP Extension, from the configuration tree in the left pane, right-click on **Extension**, and select **New**  $\rightarrow$  **SIP Extension** from the pop-up list (not shown). Enter desired digits for the **Base Extension** field. This is the Extension that will be used for Aiphone IX-MV7 to log in.



### 5.5. Administer SIP Users

To create a new SIP User, from the configuration tree in left pane, right-click on **User**, and select **New** from the pop-up list (not shown). Enter desired values for the **Name** field. For the **Extension** field, enter the SIP extension created in **Section 5.4**.

扰 Avaya IP Office Select Manager for	Server Edition ServerEdition	[11.0.4.0.0 build 74]		↔ - □ ×
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp				
ServerEdition • User	▼ 72001 A	MV7 -		
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Configuration	×=	APMV7: 72001		📸 - 🔛   🗙   🗸   <   > 🛷
BOOTP (15)	User Voicemail DN	O Short Codes Source Numbers Telephony	Forwarding Dial In Voice Recording	Button Programming Menu F • •
⊕	Name	APMV7		^
⊕ <b>1</b> User(17) ⊕ <b>1</b> Group(2)	Password			
Short Code(45)     Directory(0)	Confirm Password			
	Unique Identity			
Account Code(0) ⊕	Conference PIN			
Location(0)	Confirm Audio Conference PIN			
🗄 🖏 System (1)	Account Status	nabled	~	
표···(주 Line (3) 표····································	Full Name			
	Extension	2001		
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72004 APIXFA	Priority	i	~	
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72006 APIXSSA	Profile	Basic User	~	
71001 H323User1		] Receptionist		
		Enable Softphone		~
< >				<u>O</u> K <u>C</u> ancel <u>H</u> elp
Ready				

Select the **Supervisor Settings** tab, and enter a desired **Login Code** and **Confirm Login Code**. This code will be used as a password for Aiphone IX-MV7.

扰 Avaya IP Office Select Manager for	Server Edition ServerEdition [11.0.4.0.0 build 74]	↔ –
Eile     Edit     View     Jools     Help       ServerEdition     •     User		
Configuration	E APMV7: 72001	📩 - 🔛   🗙   🗸   <   > 🛷
	User       Voicemail       DND       Short Codes       Source Numbers       Telephony       Forwarding       Dial In       Voice Recording       I         Call Settings       Supervisor Settings       Multi-line Options       Call Log       TUI       <	Button Programming Menu F 🔹 🕨
Time Profile(0)     Account Code(0)     Ser Rights(9)     ServerEdition     ServerEdition     ⊕ ¬♥ System (1)     ⊕ ¬₹7 Line (3)     ⊕ ¬♥ Control Unit (9)	Login Idle Period (sec) <ul> <li>Force Account Code</li> <li>Monitor Group</li> <li>None&gt;</li> <li>Force Authorization Code</li> <li>Coverage Group</li> <li>None&gt;</li> <li>Incoming Call Bar</li> <li>Status on No-Answer</li> <li>Logged On (No change)</li> <li>Outgoing Call Bar</li> <li>Inhibit Off-Switch Forward/Transfer</li> </ul>	

### 6. Configure Aiphone IX Series Video Master Station

This section provides steps to configure Aiphone IX-MV7.

To configure Aiphone IX-MV7, using a web browser, navigate to <u>https://<IP Address of IX-MV7>/webset.cgi?login</u> and log in using appropriate credentials.

	HONE IX System	
ID: Password:	Enter ID and password Login	
Convright© 20	12-2019 AIPHONE Co.,Ltd. All rights reserved.	

Once logged in, for the **Number** field, type in the SIP extension that is being configured (from **Section 5.4**), and a desired **Name**. Select **Update** to save change.

AIPHONE IX Syst	tem Setting		🕞 Üpdate 🛁
Category: Master Stations	Station Type: IX-MV7-*	11	
Station Information	Â	Station Infor	mation
Identification			
ID and Password			<ul> <li>Required Settings</li> </ul>
Language			
Time			
Expanded System			
Network Settings	• Identification-		
IP Address	Number	72001	3-5 digits
DNS	Name	IX-MV7	1-24 alphanumeric characters(*1)
SIP	Location	IX-IVIV /	1-24 alphanumeric characters(1)
Multicast Address	Location	(81)Centrin of	
Video		(*1)Certain ci	haracters may not be displayed correctly on IX-MV and IX-MV7-* due to font type.
Audio			
Packet Priority			

From the left, select **Network Settings**  $\rightarrow$  **SIP** and configure as follows:

- **SIP Signaling Port:** Set to **5060**.
- **User Agent:** Type in a desired value.
- **ID**: SIP Extension number from **Section 5.4**.
- **Password:** SIP Extension password from **Section 5.4**.
- IPv4 Address: LAN IP Address of IP Office from Section 5.2.
- **Port:** Set to **5060**.

Once done, select **Update** to save changes.

AIPHONE IX Sys	tem Setting		→ Vpdate
Category: Master Stations	Station Type: IX-MV7-*		
Station Information	^	Network Settings	
Identification ID and Password	•SIP		
Language	SIP Connections		
<u>Time</u>	SIP Signaling Port+	5060	1-65535
Expanded System	User Agent	IX-MV7	1-36 alphanumeric characters
Network Settings			
IP Address			
DNS	SIP Server		
SIP	Primary Server		
Multicast Address	ID	72001	1-24 alphanumeric characters
Video	Password	•••••	1-24 alphanumeric characters
<u>Audio</u> Packet Priority	IPv4 Address	10.64.110.65	1.0.0.1-223.255.255.254 or hostname(1-64 alphan
NTP	IPv6 Address		::FF:0-FEFF:FFFF:FFFF:FFFF:FFFF:FFFF:FFF
System Information	Port+	5060	1-65535

Continuing from above, scroll down to the **Video** sub section and verify the Video settings are as shown below.

AIPHONE IX System Category: Master Stations	em Setting Station Type: IX-MV7-*		te
Station Information	STRUGE LYPE, LA-SAV7-	Network Settings	
Identification ID and Password	• Video		
Language			
Time Emerged al Constant	Video Encoder 1		
Expanded System	The "Video Encoder 1" RTP End Port should be greater th	han 90 digits from the RTP Start Port.	
Network Settings	RTP Start Port	30000 1-65534	
IP Address	RTP End Port+	31000 1-65535	
DNS			
<u>SIP</u> Multicast Address			
Video	Video Encoder 2		
Audio	The "Video Encoder 2" RTP End Port should be greater th	han 10 digits from the PTP Start Port	
Packet Priority	RTP Start Port+	32000 1-65534	
NTP	RTP End Port+	33000 1-65535	
System Information			
Location Registry			
Address Book	$\mathbf{M}_{\mathbf{r}} = \mathbf{f} = \mathbf{M}_{\mathbf{r}} + \mathbf{f} = \mathbf{M}_{\mathbf{r}} + \mathbf{f} = \mathbf{f} + \mathbf{f}$		
Group List	Master Station Video Setting		
Custom Sound Registry	Video Streaming	ODisable     ODisable	
Call Settings	Frame Rate [fps]	30 🗸	
Called Stations (for Master)	Select Profile	Baseline ~	
Call Origination	I-picture interval +	30 1-100	
Incoming Call	Bit Rate [kbps] [H.264/AVC]	2048 🗸	

From the left, select **System Information**  $\rightarrow$  **Address Book** and configure as follows: The numbers configured here are added to the Address Book of IX-MV7, which makes it easier to call the number by tapping the screen instead of typing the extension.

- Number: Type in an extension number on IP Office that will be called for a given line.
- **Name:** Desired name for the extension.
- Station Type: Set to VoIP Phone.
- **IPv4:** Type in the LAN IP Address from **Section 5.2**.

Select **Update** to save changes.

AIPHONE IX Syst	tem Se						=> Update
Station Information	^				System Informat	ion	
Identification ID and Password	•		ess Book-				
<u>Language</u> <u>Time</u> <u>Expanded System</u>		Stati	Station Name	ber must be 3-5 digits. (3-32 dig e must be 1-24 alphanumeric ch	aracters.		
Network Settings IP Address			Station Type IPv4 must be				rentara)
DNS SIP		#	IF vo musi de		.FFFF.FFFF.FFFF.FFFF OI NO	station Infor	
<u>Multicast Address</u>		#	Number	Name	Location	Station Type	IPv4
<u>Video</u>		1	81001	SIP Station 1	~	VoIP Phone $\checkmark$	10.64.110.65
Audio		2	71001	H323 Station 1	~	VoIP Phone ~	10.64.110.65
<u>Packet Priority</u> NTP		3			~	~	
		4			~	~	
System Information		5			~	~	
<u>Location Registry</u> Address Book		6			~	~	
Group List		7			~	~	

# 7. Verification Steps

The following steps may be used to verify the configuration:

• From a PC running the Avaya IP Office Monitor application. The Avaya IP Office SysMonitor screen is displayed (not shown). Select Status → SIP Phone Status from the top menu. Verify the SIP extension added from Section 5.4 is displayed and the Status is SIP: Registered.

Total Configu	ared: 27				waiuriy	1 secs for update			
Total Registe	ered: 12		R	egistered Status					
Extn Num	User Num	Phone Type	Security	IP Address	Transport	User Agent	Licensed	SIP Options	Status
\$1.70001	70001	EQNX_D	disable	10.64.10.48	TCP	Avaya Communicator/3.0 (3.6.4.31	Avaya Softph	RU	SIP: Registered
70001	70001	J129 SIP	disable	10.64.10.224	TCP	Avaya J129 IP Phone 4.0.0.0.21 (21)	Avaya IP	RU	SIP: Registered
70002	70002	VANTAG	disable	10.64.10.223	TCP	Avaya Communicator Android/3.5.0	Avaya IP	RU	SIP: Registered
70003	70003	H175 SIP	disable	10.64 10.222	TCP	Avava H175 Collaboration Station	Avava IP	BU	SIP: Begistered
72001	72001	SIP	disable	10.64.10.40	UDP	IX-MV7	3rd Party IP	RU	SIP: Registered
72002	72002	SIP	disable	10.64.10.41	UDP	IX-DV	3rd Party IP	RU	SIP: Registered
72003	72003	SIP	disable	10.64.10.43	UDP	IX-EA	3rd Party IP	RU	SIP: Registered
72004	72004	SIP	disable	10.64.10.44	UDP	IX-FA	3rd Party IP	RU	SIP: Registered
72005	72005	SIP	disable	10.64.10.45	UDP	IX-SPMIC	3rd Party IP	RU	SIP: Registered
72006	72006	SIP	disable	10.64.10.46	UDP	IX-SSA	3rd Party IP	RU	SIP: Registered
72007	72007	SIP	disable	10.64.10.49	UDP	IX-RS	3rd Party IP	RU	SIP: Registered
72008	72008	SIP	disable	10.64.10.42	UDP	IX-SS-2G	3rd Party IP	RU	SIP: Registered
<									

Place a call from Aiphone IX-MV7 to an Avaya endpoint. The state of the call be viewed on a PC running the Avaya IP Office System Status application. Select Extensions > Aiphone IX-MV7 extension.

avaya		IP Of	fice System 9	Status	
elp Snapshot LogOff Exit	About				
I System Ⅲ Hard Disks	Extension Status				
VolP Trunks (3)	Extension Number:	72001			
H.323 Extensions	IP address:	10.64.10.40			
<ul> <li>SIP Extensions</li> <li>VoIP Security</li> </ul>	Standard Location:	None			
Quarantined Pho	Registrar:	Primary			
Blacklisted Exter	Telephone Type:	Unknown SIP Device			
Blacklisted Addr	User-Agent SIP header:	IX-MV7			
🏝 Alarms (7)	Media Stream:	RTP			
Extensions (13)	Layer 4 Protocol:	UDP			
70001 70001	Current User Extension Number:	72001			
70001	Current User Name:	APMV7			
70003	Forwarding:	Off			
71001	Twinning:	Off			
72001	Do Not Disturb:	off			
72002	Message Waiting:	Off			
72003 72004	Phone Manager Type:	None			
72004	SIP Device Features:	REFER, UPDATE			
72006	License Reserved:	No			
72007	Last Date and Time License Allocated:	11/14/2019 6:45:52 AM	1		
72008	DTMF Required:	No	I		
Trunks (3) Active Calls	Packet Loss Fraction:	NO	Connection Type:	RTP Relay	
Active Calls Resources	Jitter:		Codec:	G711 Mu	
Voicemail	Round Trip Delay:		Remote Media Address:	10.64.10.222	
IP Networking	Round mp belay.		Remote Media Address.	10.04, 10.222	
Locations	Call Ref Current State	Time in State	Calling Number or C Number	alled Direction	Other Party on Call
	480 Connected	00:03:01	Hamber	Outgoing	Extn 70003, SIPUser3
		·	·		

### 8. Conclusion

Aiphone IX-MV7 was compliance tested with Avava IP Office. Aiphone IX-MV7 functioned properly for feature and serviceability. All feature and serviceability test cases were completed with observations noted in Section Error! Reference source not found..

## 9. Additional References

Avaya IP Office product documentation can be found at: https://ipofficekb.avaya.com/.

Documentation related to Aiphone IX-MV7 can be found at: Japan: https://www.aiphone.co.jp/products/business/ix/ USA, Canada: https://www.aiphone.com/home/products/ix-series France: https://www.aiphone.fr/catalogue/interphonie-ip-protocole-sip-ix/ Australia, New Zealand: https://www.aiphone.com.au/product/ix/ Singapore: http://www.aiphone.com.sg/ United Kingdom: https://www.aiphone.co.uk/featured\_item/ix2/

KJA; Reviewed:	Solution & Interoperability Test Lab Application Notes
SPOC 3/9/2020	©2020 Avaya Inc. All Rights Reserved.

## Appendix A

Following devices are based on the same firmware as IX-MV7:

- IX-MV7-B
- IX-MV7-W
- IX-MV7-HB
- IX-MV7-HW
- IXMV7HBLA
- IXMV7HWLAIX-DVF-AC

The difference in each IX-MV7 devices is their color and attachment:

• IX-MV7-B

•

•

•

- Black
- IX-MV7-W
  - White
- IX-MV7-HB
  - o Black
  - Handset
  - IX-MV7-HW
    - o White
    - Handset
- IXMV7HBLA
  - o Black
  - Handset
  - $\circ$  Hearing aid
  - IXMV7HWLA
    - White
    - Handset
    - Hearing aid

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