



ALE Application Partner Program Inter-Working Report

Partner: Amphitech
Application type: VoIP SIP Phone
Application name: IPAC 101, IPAC 500
Alcatel-Lucent Enterprise Platform:
OXO Connect™

Amphitech

The product and release listed have been tested with the Alcatel-Lucent Communication Platform and the release specified hereinafter. The tests concern only the inter-working between the AAPP member's product and the Alcatel-Lucent Communication Platform. The inter-working report is valid until the AAPP member's product issues a new major release of such product (incorporating new features or functionality), or until Alcatel-Lucent issues a new major release of such Alcatel-Lucent product (incorporating new features or functionalities), whichever first occurs.

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Certification overview

Date of the certification	May 2017
ALE International representative	HIMMI RACHID
AAPP member representative	Marc Labouille
Alcatel-Lucent Enterprise Communication Platform	OmniPCX Office
Alcatel-Lucent Enterprise Communication Platform release	R021/021.001
AAPP member application release	IPAC101-2V - v0.27 IPAC500-21 - v1.66
Application Category	Terminals

Author(s): Karthik Padmarajan, Mudassir Ahmed
Reviewer(s): Thierry Chevert, Rachid Himmi, Krassimira Atanassov

Revision History

Edition 1: creation of the document – May 2017

Test results

Passed Refused Postponed
 Passed with restrictions

Refer to the section 6 for a summary of the test results.

IWR validity extension

- None

AAPP Member Contact Information

Contact name: Marc Labouille
Title: IP Project manager
Address: Amphitech SAV, 1 rue Robert et Sonia Delaunay,
75011 Paris, France

Zip Code: 75011
City: Paris
Country: France

Phone: +33 (0)1 43 67 98 09
Fax: +33 (0)1 43 67 13 97
Mobile Phone:

Web site: www.amphitech.fr
Email address: mlabouille@amphitech.fr , jgalle@amphitech.fr

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1 Introduction

This document is the result of the certification tests performed between the AAPP member's application and Alcatel-Lucent Enterprise's platform.

It certifies proper inter-working with the AAPP member's application.

Information contained in this document is believed to be accurate and reliable at the time of printing. However, due to ongoing product improvements and revisions, ALE International cannot guarantee accuracy of printed material after the date of certification nor can it accept responsibility for errors or omissions. Updates to this document can be viewed on:

- the Technical Support page of the Enterprise Business Portal (<https://businessportal.alcatel-lucent.com>) in the Application Partner Interworking Reports corner (restricted to Business Partners)
 - the Application Partner portal (<https://applicationpartner.alcatel-lucent.com>) with free access.
-

2 Validity of the Interworking Report

This InterWorking report specifies the products and releases which have been certified.

This inter-working report is valid unless specified until the AAPP member issues a new major release of such product (incorporating new features or functionalities), or until ALE International issues a new major release of such Alcatel-Lucent Enterprise product (incorporating new features or functionalities), whichever first occurs.

A new release is identified as following:

- a “Major Release” is any x. enumerated release. Example Product 1.0 is a major product release.
- a “Minor Release” is any x.y enumerated release. Example Product 1.1 is a minor product release

The validity of the InterWorking report can be extended to upper major releases, if for example the interface didn't evolve, or to other products of the same family range. Please refer to the “IWR validity extension” chapter at the beginning of the report.

Note: *The InterWorking report becomes automatically obsolete when the mentioned product releases are end of life.*

3 Limits of the Technical support

For certified AAPP applications, Technical support will be provided within the scope of the features which have been certified in the InterWorking report. The scope is defined by the InterWorking report via the tests cases which have been performed, the conditions and the perimeter of the testing and identified limitations. All those details are documented in the IWR. The Business Partner must verify an InterWorking Report (see above "Validity of the InterWorking Report) is valid and that the deployment follows all recommendations and prerequisites described in the InterWorking Report.

The certification does not verify the functional achievement of the AAPP member's application as well as it does not cover load capacity checks, race conditions and generally speaking any real customer's site conditions.

Any possible issue will require first to be addressed and analysed by the AAPP member before being escalated to ALE International. Access to technical support by the Business Partner requires a valid ALE maintenance contract

For details on all cases (3rd party application certified or not, request outside the scope of this IWR, etc.), please refer to Appendix F "AAPP Escalation Process".

3.1 Case of additional Third party applications

In case at a customer site an additional third party application NOT provided by ALE International is included in the solution between the certified Alcatel-Lucent Enterprise and AAPP member products such as a Session Border Controller or a firewall for example, ALE International will consider that situation as to that where no IWR exists. ALE International will handle this situation accordingly (for more details, please refer to Appendix F "AAPP Escalation Process").

4 Application information

Application commercial name: IPAC 101, IPAC 500

Application version: IPAC101-2V, IPAC500-21

Interface type: SIP

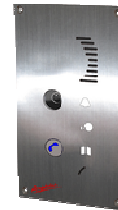
Brief application description:

Amphitech has been specialized in the design and manufacture of communications equipment such as telephone gateways, emergency call stations, elevator telegrams. Amphitech is now a leader in its field of activity.

Specialized in communication systems, AMPHITECH is aimed at professionals with weak currents. Its expertise, innovation, the reliability of its equipment have made AMPHITECH. The reference in the fields of the telephone, the emergency call and the elevator telealarm.

IPAC 101

- 1 call button
- Simplified configuration; Advanced configuration on dedicated WEB interface.
- Peer-to-peer communication
- Communication via SIP server (multiple calls, conferences, queue management, mail ...)
- Time slot management
- HD audio



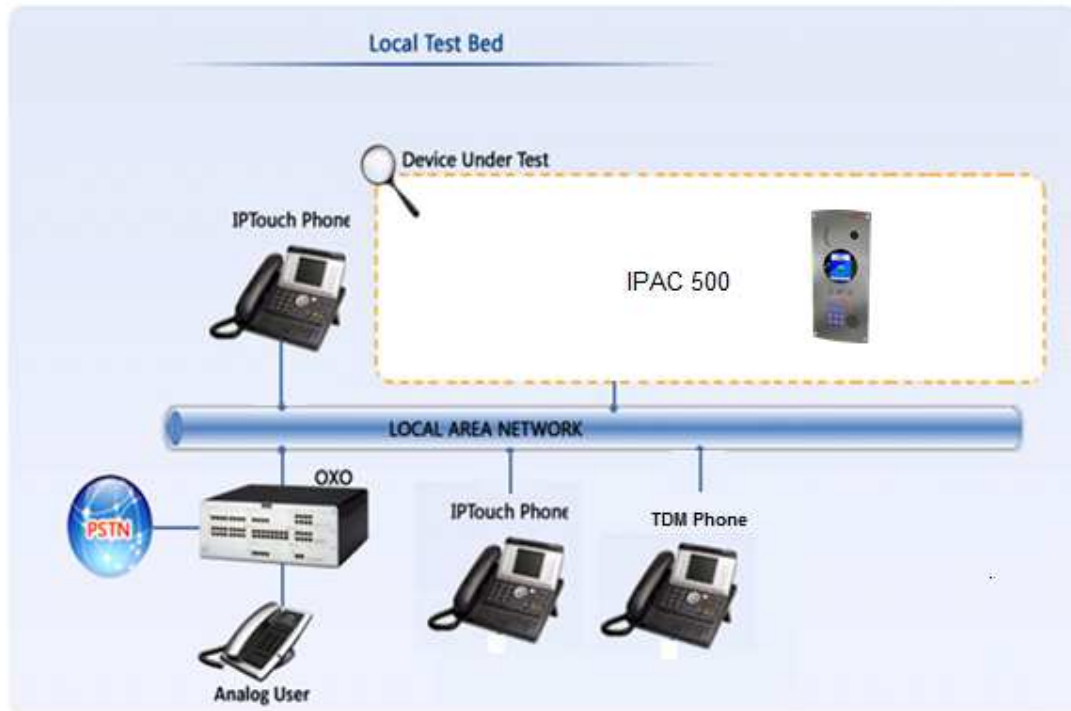
IPAC 500

- Configuration in 4 easy steps
- Peer-to-peer network scan
- Day/night operation mode
- Realtime display of the door phone screen on the web pages
- LDAP-update of the phonebook
- HD audio
- Video codec H264 or streaming



5 Test environment

Figure 1 Test environment



5.1 Hardware configuration

List main hardware equipments used for testing

Alcatel-Lucent Communication Platform:

- OmniPCX Office Rack
- PowerCPU EE
- Release: 021/021.001
- OMC: R21.0.13.1

Setup Details:

Setup Information OXO 1	
OXO Connect IP address	10.9.224.220
Domain name	Oxo1.proservtesting.com
Voicemail No	500
Attendant No	0
OXO Extension Details used for test	
IP Touch numbers	122, 123 & 124
SIP Phone numbers	130,131 & 132
UA Set No	101

Note:

IP Doorphone extension is created as **Open SIP Phone**.
SIP phones should be configured to register with authentication to OXO.
SIP Authentication is mandatory for all SIP phones for security reasons

5.2 Software configuration

List main softwares used for testing

- **Alcatel-Lucent Enterprise Communication Platform** : OmniPCX Office R 21/021.001
- **Partner Application** : IPAC101-2V V 0.27
IPAC500-21 V 1.66

6 Summary of test results

6.1 Summary of main functions supported

Features	Status	Comments
Initialization	OK	
IP setting	OK	
SIP setting	OK	
Voice over IP and RTP codec support	OK	
Outgoing Call	OK	
Incoming Call	OK	
trigger the relay during Outgoing call	OK	
trigger the relay during incoming call	OK	
Call Transfer (transfer from Alcatel-Lucent phone)	OK	Only Semi attended transfer works. Call Disconnects during attended transfer.
Disconnect call after phone hang up or trigger the relays	OK	
Video calls	OK	

6.2 Summary of problems

- None

6.3 Summary of limitations

- No Hold tone is heard in the device.
- Full attendant transfer is not working.

6.4 Notes, remarks

- None
-

7 Test Result Template

The results are presented as indicated in the example below:

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Test case 1 <ul style="list-style-type: none"> Action Expected result 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Test case 2 <ul style="list-style-type: none"> Action Expected result 	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The application waits for PBX timer or phone set hangs up
3	Test case 3 <ul style="list-style-type: none"> Action Expected result 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Relevant only if the CTI interface is a direct CSTA link
4	Test case 4 <ul style="list-style-type: none"> Action Expected result 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No indication, no error message
...	...	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Test Case Id: a feature testing may comprise multiple steps depending on its complexity. Each step has to be completed successfully in order to conform to the test.

Test Case: describes the test case with the detail of the main steps to be executed the and the expected result

N/A: when checked, means the test case is not applicable in the scope of the application

OK: when checked, means the test case performs as expected

NOK: when checked, means the test case has failed. In that case, describe in the field "Comment" the reason for the failure and the reference number of the issue either on ALE International side or on AAPP member side

Comment: to be filled in with any relevant comment. Mandatory in case a test has failed especially the reference number of the issue.

8 Test Results

8.1 Connectivity and Setup

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	IP Setting Configure the IP parameters in the doorphone and check Enter the IP address (Assigned or static) of doorphone in the browser and check whether the GUI of the doorphone is accessible through the LAN network.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	SIP setting Try to configure the sip parameters in the GUI of the door phone and check whether they are saved.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Create extension for door phone on OXO with number 127,128	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4	Install and Configure other phones : 106 > analog phone 101 > UA phone 126 > Ip Phone Add all the phones including the door phone into a hunt group and make a call to the hunt group number. 501 > group Ring all phones Check the call can be answered in the door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Mode of the DoorPhone. Check Day and night mode using timezone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

8.2 Calls from Doorphone

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Set the Door phone call button to reach a UA Phone and make call by pressing the call button. - Check for Voice path quality once the call is established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Set the Door phone call button to reach a UA Phone and make call by pressing the call button. - Open the latch by DTMF from UA Phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Make a call by pressing the call button in the door phone Place the call on Hold from UA Phone. . Check for hold tone. Retrieve from UA Phone. Check whether the voice path is re-established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
4	Set the door phone button to reach a UA Phone and make call by pressing the call button. Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Set the Door phone call button to reach a Analog Phone and make call by pressing the call button. - Check for Voice path quality once the call is established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	Set the Door phone call button to reach a Analog Phone and make call by pressing the call button. - Open the latch by DTMF from UA Phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7	Make a call by pressing the call button in the door phone Place the call on Hold from Analog Phone. . Check for hold tone. Retrieve from Analog Phone. Check whether the voice path is re-established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
8	Set the door phone button to reach a Analog Phone and make call by pressing the call button. Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

9	Set the Door phone call button to reach a sip Phone and make call by pressing the call button. - Check for Voice path quality once the call is established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10	Set the Door phone call button to reach a sip Phone and make call by pressing the call button. - Open the latch by DTMF from UA Phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	Make a call by pressing the call button in the door phone Place the call on Hold from sip Phone. . Check for hold tone. Retrieve from sip Phone. Check whether the voice path is established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
12	Set the door phone button to reach a sip Phone and make call by pressing the call button. Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	Set the door phone button to reach a Group Phone and make call by pressing the button. - Check for Voice path quality.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14	- Check for relay trigger by DTMF by dialling activation code configured with door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15	Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16	Make call by pressing the button. Hold from Group Phone. Check for hold tone. Retrieve from Group Phone. Check for Voice Path.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
17	Set the Door phone call button to reach an iptouch Phone and make call by pressing the call button. - Check for Voice path quality once the call is established.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18	Set the Door phone call button to reach a iptouch Phone and make call by pressing the call button. - Open the latch by DTMF from UA Phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

19	<p>Make a call by pressing the call button in the door phone Place the call on Hold from iptouch Phone. . Check for hold tone. Retrieve from iptouch Phone. Check whether the voice path is reestablished.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
20	<p>Set the door phone button to reach a iptouch Phone and make call by pressing the call button. Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21	<p>Make an out going call to IP touch extension by pressing the call button. - transfer the call to another IPtouch phone Check for voice path quality</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Only Semi attended transfer is successful. With Attended transfers calls are getting disconnected after transfer.
22	<p>Make an out going call to IP touch extension by pressing the call button. - transfer the call to another IPtouch phone After transfer check for triggers relays and hang up call by DTMF</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	After semi attended transfer, relay trigger works.
23	<p>Make out going call by pressing the button to a busy destination. - Outcall to a busy destination</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
24	<p>Mode of the DoorPhone. Check Day and night mode using timezone</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

8.3 Calls To Doorphone

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call to door phone from ip touch. Check for relay trigger by DTMF by dialling activation code configured with door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2	Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3	Call to DoorPhone from IP Touch Hold from IP Touch Phone. Check for hold tone. Retrieve from IP Touch Phone. Check for Voice Path.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
4	Call to door phone from UA phone Check for relay trigger by DTMF by dialling activation code configured with door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5	Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6	Call to DoorPhone from UA phone Hold from UA Phone. Check for hold tone. Retrieve from UA Phone. Check for Voice Path.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
7	Call to door phone from sip phone. Check for relay trigger by DTMF by dialling activation code configured with door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8	Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9	Call to DoorPhone from sip phone Hold from sip phone. Check for hold tone. Retrieve from sip Phone. Check for Voice Path.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.

10	Call to door phone from Analog phone Check for relay trigger by DTMF by dialling activation code configured with door phone.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11	Wait for the call to reach door phone Maximum call duration time and check whether call disconnects automatically.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12	Call to DoorPhone from Analog phone. Hold from Analog Phone. Check for hold tone. Retrieve from Analog Phone. Check for Voice Path.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No hold tone is heard in door phone.
13	Call from external number(T0/T2) to DoorPhone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

8.4 Video calls

Test Case Id	Test Case	N/A	OK	NOK	Comment
1	Call from DoorPhone to SIP device Check that the call is established in audio and video Open the Latch Release the call?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Codec pass through must be enabled.
2	Call to DoorPhone from SIP device Check that the call is established in audio and video Open the Latch Release the call?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Codec pass through must be enabled
3	Call from Doorphone to 8088 Check that the call is established in audio and video Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Codec pass through must be enabled.
4	Call to Doorphone from 8088 Check that the call is established in audio and video Open the Latch Release the call	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Codec pass through must be enabled

9 Appendix A : AAPP member's Application description

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N°F000 0830B - 1/2




IPAC 500 21 S

VoIP Door Entry Phone with video camera, « hands-free », vandal-resistant:

- Meeting the requirements for accessibility for people with disabilities
- with name search by phone book scrolling.

IPAC 500 21 S for:

- a point-to-point communication (Peer to Peer) or
- the connection via a SIP server.

Functions

- Door entry phone
- Full duplex voice communication

Technical data

- Acoustic inductive loop amplifier as communication aid for hearing aid users
- 2 navigation buttons (arrows) for name search in the phone book (1000 contacts)
- 1 keypad with the functions: access code, dialling (abridged or free according to configuration) and alphabetical name search in the phone book
- Video camera (active during communication or streaming) – viewing angle 90° - CMOS Sensor IR Cut Filter
- Management of call parameters: communication time, button activation time, ring time for outgoing calls, volume...
- Management of time lock zones
- Operation mode « Porter »
- Pictograms display associated with product functions
- Automatic speech announcements (dialling, communication..., door opening)
- Audio-quality HD
- Data encryption (audio and video): SRTP / ZRTP / SIP-TLS
- 2 relays for door open command or remote control of external elements (lighting, etc...)
- 2 inputs for external contacts or voltage **with the possibility to define time lock zones**
- Day/night operation (adjustment of volume and brightness)
- Updates:
 - LDAP-update of the phonebook
 - system update by downloadable file
- Real-time monitoring of device status:
 - On access code keying, outgoing calls, door opening, loss of SIP server
 - In case of power failure
- Real-Time display of the device screen on the web page

Power supply

- Network: POE+
- or
- External power supply unit: 24 VDC - AMPHITECH BAS 2415

Mechanical design

- Surface mount
- Dimensions 300 x 120 x 30 mm - weight 2,2 kg
- Degree of protection: IP 55 - IK 08
- Temperature range: -20°C to +50°C
- Stainless steel face plate 2,5 mm, ZAMAK housing



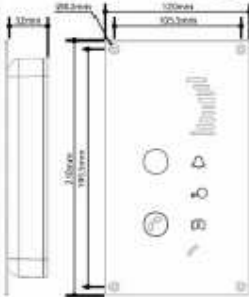



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Amphitech

N°F000 0993B -1/2



IPAC 101-2VE

VoIP Door Entry Phone for audio-video transmission, « hands-free », vandal-resistant:

- Pictograms display and automatic speech announcements to meet the requirements for accessibility for people with disabilities

- 1 direct call button

The IPAC 101-2VE allows for:

- a point-to-point communication (Peer to Peer) or
- the connection via a SIP server.

Functions

- Telephone
- Full duplex voice communication

Technical data

- 1 call button
- Caméra vidéo (mode en communication, mode streaming) - Angle de vision 90° - Capteur CMOS - IR Cut Filter
- Redial if busy or if no answer (1 - 4 call numbers)
- Management of call parameters: communication time, button activation time, ring time for outgoing calls, volume...
- Management of time lock zones
- Pictograms display associated with product functions
- Automatic speech announcements (dialling, communication ..., door opening)
- HD audio quality
- Media incryption (audio and video): SRTP / ZRTP / SIP-TLS
- 1 relay for door open command or remote control of external elements (line seizure information)
- 1 input for external contact or voltage with the possibility to define time lock zones
- LDAP update of the IPAC 100 contacts
- Monitoring of the device status:
 - On access code keying, outgoing calls, door opening, loss of SIP server...
 - In case of power failure
- Real-time display of the device screen on the web page

Power supply

- Network: POE
- or
- External power supply unit: 24 VDC - **BAS 2415 AMPHITECH**

Mechanical design

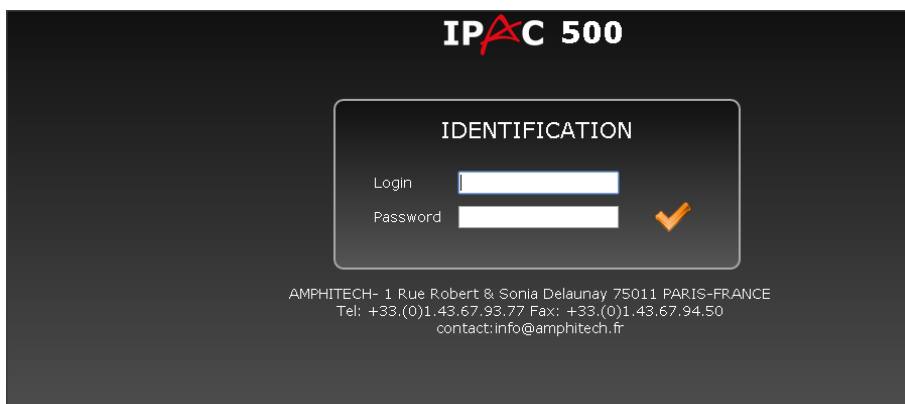
- Flush mount
- Dimensions 210 x 120 x 32 mm
- Degree of protection: IP 55 - IK 08
- Temperature range: -20°C to +50°C
- Stainless steel faceplate 2.5 mm, ZAMAK housing
- Flush mount housing BM 100 included in delivery



10 Appendix B: Configuration requirements of the AAPP member's application

Access to the Admin Home page (Web interface)

1. Access your web browser. Enter the IP address on your browser. Example: <http://10.9.224.198> (Phone IP Address).
2. The Web language page will be displayed. Select the language.
3. The Web login page will be displayed. Enter the user name and the password and click **Login**. The administrator's default user name and password are "**admin**" and "**admin**" respectively.

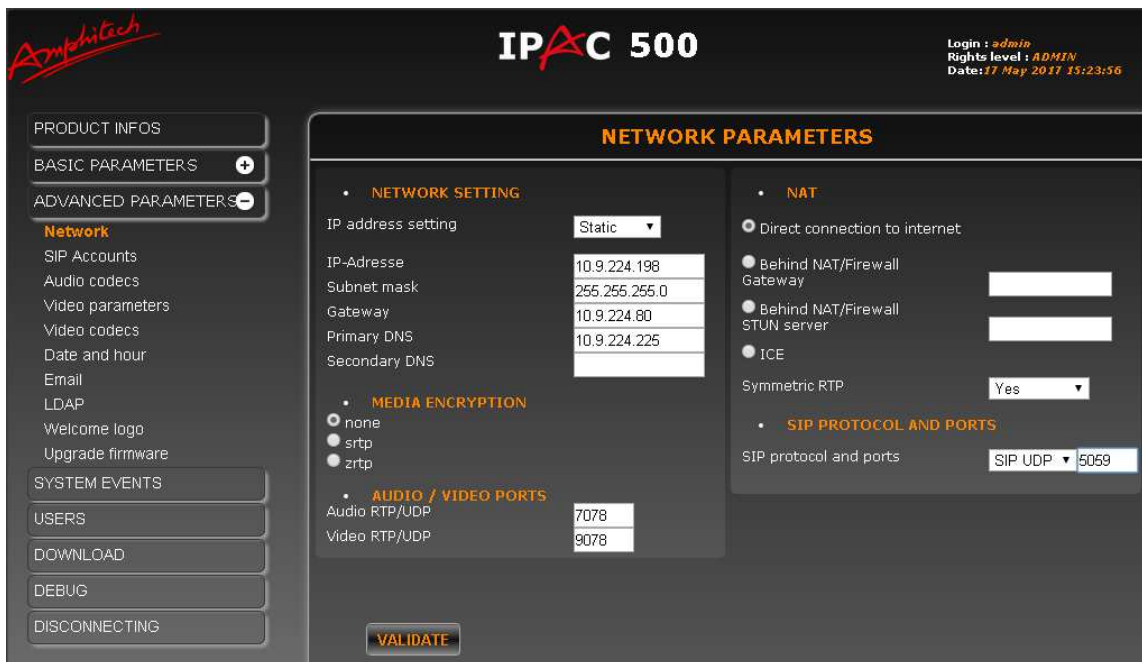


Enter the IP address of the device in your browser, then log with admin account.

Advance setup



Network page information (Advance parameters→Network)



The screenshot shows the "NETWORK PARAMETERS" configuration page for the IPAC 500. The page includes a sidebar with navigation options and a main configuration area. The top right corner shows login details: "Login : admin", "Rights level : ADMIN", and "Date: 11 May 2011 15:23:56".

PRODUCT INFOS
BASIC PARAMETERS +
ADVANCED PARAMETERS -

Network
SIP Accounts
Audio codecs
Video parameters
Video codecs
Date and hour
Email
LDAP
Welcome logo
Upgrade firmware

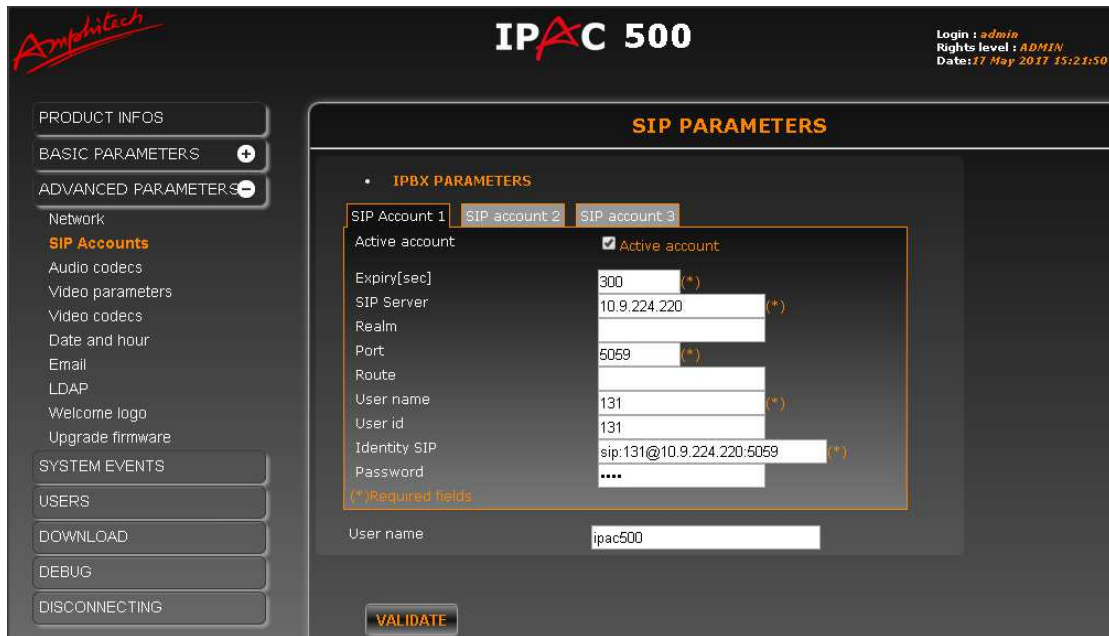
SYSTEM EVENTS
USERS
DOWNLOAD
DEBUG
DISCONNECTING

NETWORK PARAMETERS

- NETWORK SETTING**
IP address setting: Static
IP-Adresse: 10.9.224.198
Subnet mask: 255.255.255.0
Gateway: 10.9.224.80
Primary DNS: 10.9.224.225
Secondary DNS:
- MEDIA ENCRYPTION**
 none
 srtp
 zrtsp
- AUDIO / VIDEO PORTS**
Audio RTP/UDP: 7078
Video RTP/UDP: 9078
- NAT**
 Direct connection to internet
 Behind NAT/Firewall Gateway
 Behind NAT/Firewall STUN server
 ICE
Symmetric RTP: Yes
- SIP PROTOCOL AND PORTS**
SIP protocol and ports: SIP UDP 5059

VALIDATE

SIP Settings for phone (Advanced Parameters→SIP Accounts)



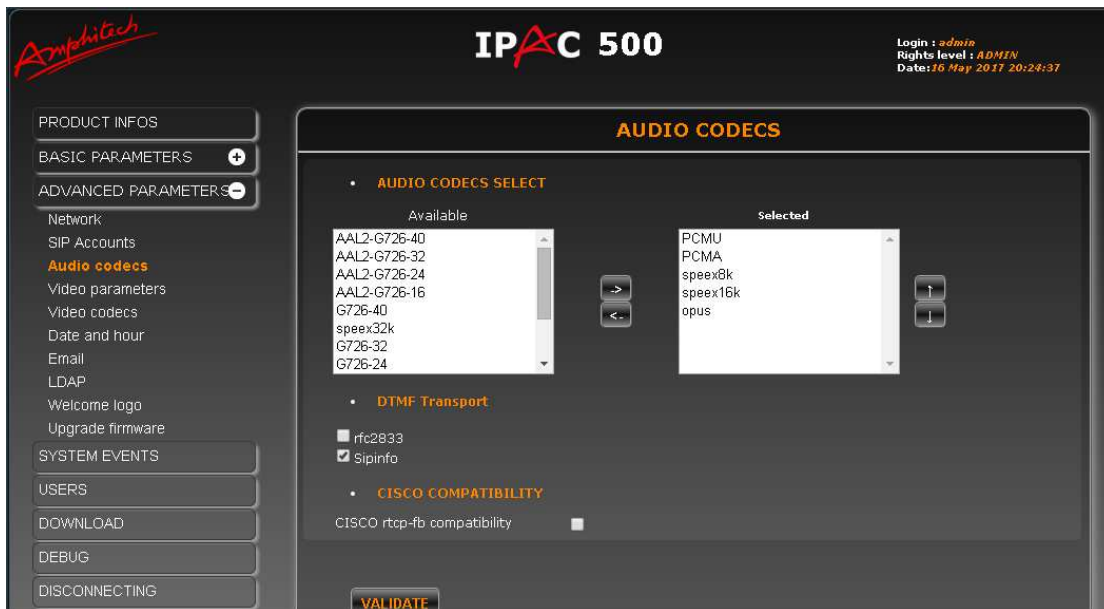
Amphitech **IPAC 500** Login: admin Rights level: ADMIN Date: 17 May 2017 15:21:50

SIP PARAMETERS

- IPBX PARAMETERS**
 - SIP Account 1 SIP account 2 SIP account 3
 - Active account Active account
 - Expiry(sec) 300 (*)
 - SIP Server 10.9.224.220 (*)
 - Realm
 - Port 5059 (*)
 - Route
 - User name 131 (*)
 - User id 131
 - Identity SIP sip:131@10.9.224.220:5059 (*)
 - Password ****
- (*)Required fields
- User name ipac500

VALIDATE

Audio Codecs(Advanced Parameters→Audio codecs)



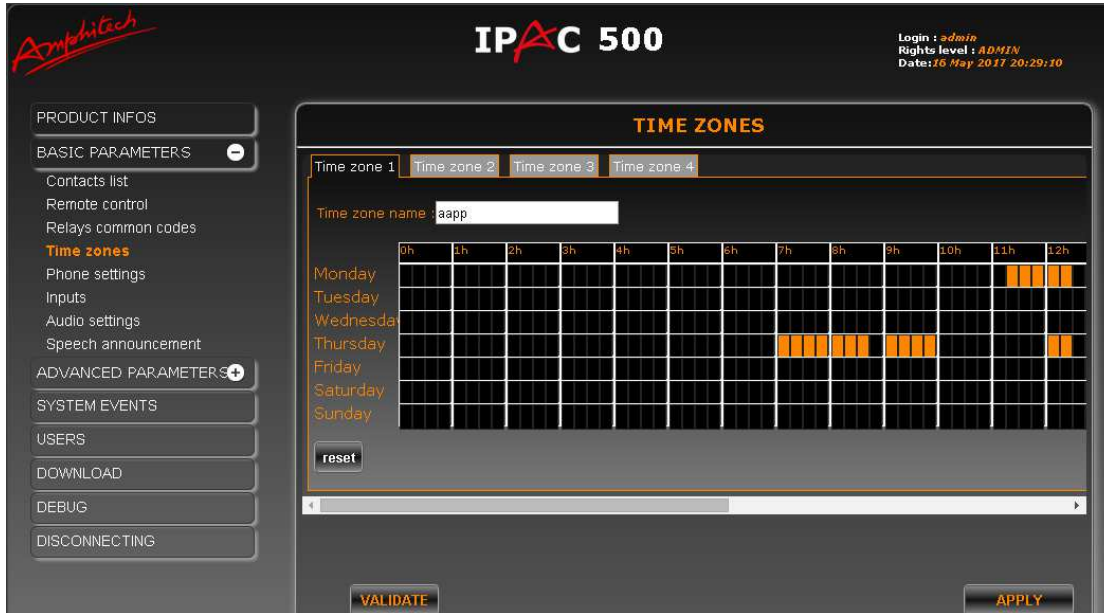
Amphitech **IPAC 500** Login: admin Rights level: ADMIN Date: 16 May 2017 20:24:37

AUDIO CODECS

- AUDIO CODECS SELECT**
 - Available: AAL2-G726-40, AAL2-G726-32, AAL2-G726-24, AAL2-G726-16, G726-40, speex32k, G726-32, G726-24
 - Selected: PCMU, PCMA, speex8k, speex16k, opus
- DTMF Transport**
 - rfc2833
 - Sipinfo
- CISCO COMPATIBILITY**
 - CISCO rtcp-fb compatibility

VALIDATE

Time Zone Setting (Basic Parameters→Time Zones)



Amphitech IPAC 500 Login : admin
Rights level : ADMIN
Date: 16 May 2017 20:29:10

TIME ZONES

Time zone 1 | Time zone 2 | Time zone 3 | Time zone 4

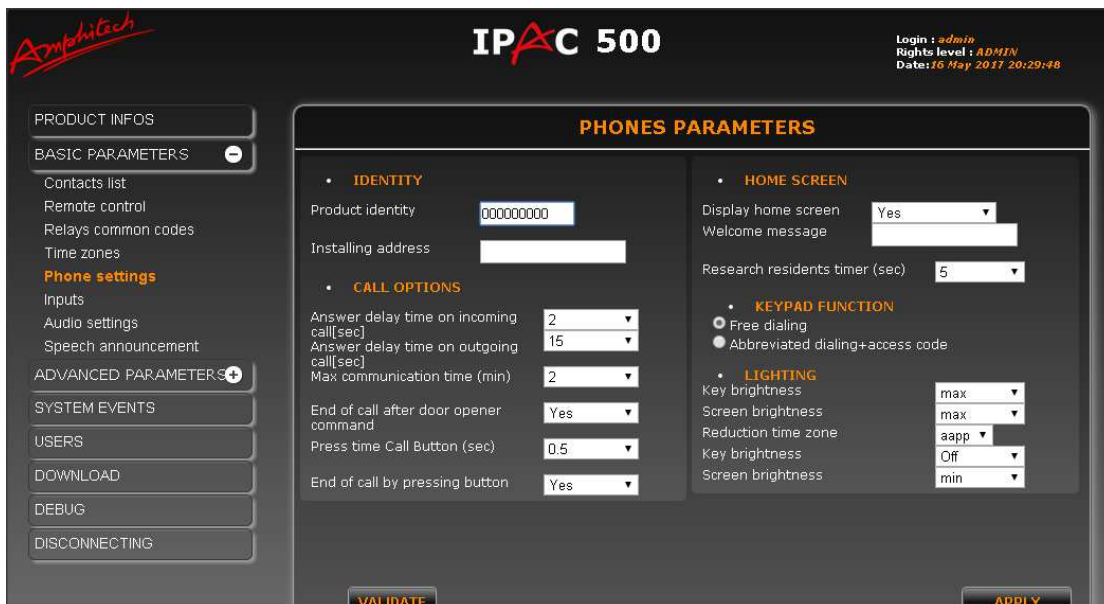
Time zone name : aapp

	0h	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h
Monday												■	■
Tuesday													
Wednesday													
Thursday							■	■	■	■	■		■
Friday													
Saturday													
Sunday													

reset

VALIDATE APPLY

Phone Parameters (Basic Parameters→Phone Settings)



Amphitech IPAC 500 Login : admin
Rights level : ADMIN
Date: 16 May 2017 20:29:48

PHONES PARAMETERS

- IDENTITY**
 - Product identity: 000000000
 - Installing address: []
- CALL OPTIONS**
 - Answer delay time on incoming call[sec]: 2
 - Answer delay time on outgoing call[sec]: 15
 - Max communication time (min): 2
 - End of call after door opener command: Yes
 - Press time Call Button (sec): 0.5
 - End of call by pressing button: Yes
- HOME SCREEN**
 - Display home screen: Yes
 - Welcome message: []
 - Research residents timer (sec): 5
- KEYPAD FUNCTION**
 - Free dialing:
 - Abbreviated dialing+access code:
- LIGHTING**
 - Key brightness: max
 - Screen brightness: max
 - Reduction time zone: aapp
 - Key brightness: Off
 - Screen brightness: min

VALIDATE APPLY

11 Appendix C: Alcatel-Lucent Communication Platform: configuration requirements

11.1 Configure the OmniPCX Office

- Set the **“IP address”** of the PBX (10.9.224.220 in our example)
- Set the number of DSP's used as IP trunks.

VoIP: Paramètres

Général Gateway DSP DHCP Télécopie SIP

Nombre de canaux accès VoIP 1

Nombre de canaux d'abonnés VoIP 12

Qualité de service IP 00000000 DIFFSERV_PHS_BE

Protocole VoIP SIP

RTP Direct

11.2 Manage the SIP Phones

- Add a user in the OXO for Doorphone with number 132 as open sip phone.
Steps to create an open sip user.

1. Click on Add dialog box in the user base stations.

Add Subscriber

IBS DECT/PWT set Subdevice

IP DECT set IP terminal

Phone card holder My IC Mobile

Virtual terminal SIP Companion

Media Hot Desking User

Nomadic AnyDevice

Number of devices 1

No. 132

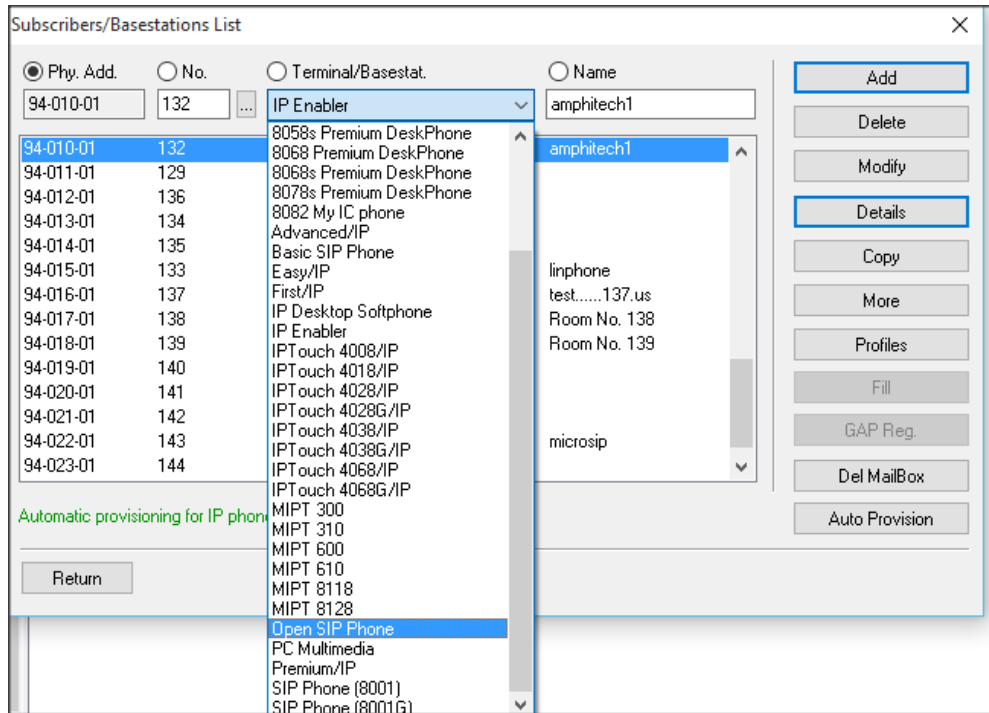
Phy. Add. None

Name amphitech1

Subdevice Type

OK Cancel

2. After that modify the base station type to open sip from the drop down available.
3. User type should be displayed as follows.

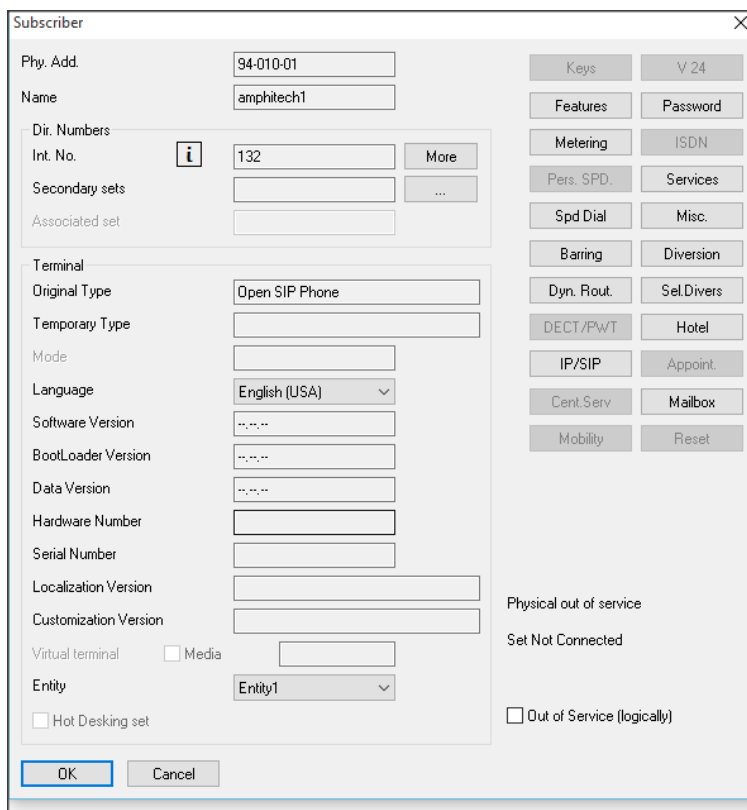


The screenshot shows the 'Subscribers/Basestations List' window. At the top, there are radio buttons for 'Phy. Add.' (selected), 'No.', 'Terminal/Basestat.', and 'Name'. Below these are input fields for '94-010-01', '132', and a dropdown menu set to 'IP Enabler'. A table lists subscribers with columns for ID, number, and base station type. The 'Terminal/Basestat.' dropdown is open, showing a list of options including 'Open SIP Phone'. The 'Name' field contains 'amphitech1'. On the right, there are buttons for 'Add', 'Delete', 'Modify', 'Details', 'Copy', 'More', 'Profiles', 'Fill', 'GAP Reg.', 'Del MailBox', and 'Auto Provision'.

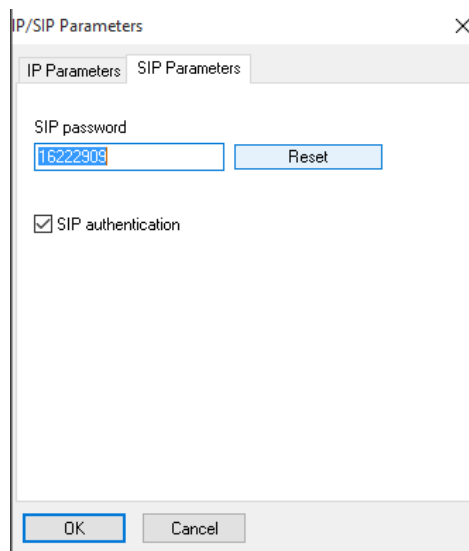
Phy. Add.	No.	Terminal/Basestat.	Name
94-010-01	132	IP Enabler	amphitech1
94-010-01	132	8058s Premium DeskPhone	amphitech1
94-011-01	129	8068 Premium DeskPhone	
94-012-01	136	8068s Premium DeskPhone	
94-012-01	136	8078s Premium DeskPhone	
94-013-01	134	8082 My IC phone	
94-014-01	135	Advanced/IP	
94-014-01	135	Basic SIP Phone	
94-015-01	133	Easy/IP	linphone
94-016-01	137	First/IP	test.....137.us
94-017-01	138	IP Desktop Softphone	Room No. 138
94-018-01	139	IP Enabler	Room No. 139
94-019-01	140	IPTouch 4008/IP	
94-019-01	140	IPTouch 4018/IP	
94-020-01	141	IPTouch 4028/IP	
94-021-01	142	IPTouch 4028G/IP	
94-021-01	142	IPTouch 4038/IP	
94-022-01	143	IPTouch 4038G/IP	
94-023-01	144	IPTouch 4068/IP	
94-023-01	144	IPTouch 4068G/IP	
		MIPT 300	
		MIPT 310	
		MIPT 600	
		MIPT 610	
		MIPT 8118	
		MIPT 8128	
		Open SIP Phone	
		PC Multimedia	
		Premium/IP	
		SIP Phone (8001)	
		SIP Phone (8001G)	

11.3 Management of SIP authentication

SIP authentication to be enabled for door phones under IP/SIP



The 'Subscriber' configuration window is divided into several sections. On the left, there are fields for 'Phy. Add.' (94-010-01), 'Name' (amphitech1), 'Dir. Numbers' (Int. No. 132), 'Secondary sets', and 'Associated set'. Below these are 'Terminal' settings including 'Original Type' (Open SIP Phone), 'Temporary Type', 'Mode', 'Language' (English (USA)), and various version fields (Software, BootLoader, Data, Hardware, Serial, Localization, Customization). There are also checkboxes for 'Virtual terminal' (Media) and 'Hot Desking set', and a dropdown for 'Entity' (Entity1). On the right side, there is a vertical stack of buttons for various services: Keys, V.24, Features, Password, Metering, ISDN, Pers. SPD., Services, Spd Dial, Misc., Barring, Diversion, Dyn. Rout., Sel. Divers, DECT/PWT, Hotel, IP/SIP, Appoint., Cent. Serv, Mailbox, Mobility, and Reset. At the bottom right, there are status indicators: 'Physical out of service', 'Set Not Connected', and 'Out of Service (logically)' with an unchecked checkbox. 'OK' and 'Cancel' buttons are at the bottom left.



The 'IP/SIP Parameters' configuration window has two tabs: 'IP Parameters' and 'SIP Parameters'. The 'SIP Parameters' tab is active, showing a 'SIP password' field with the value '16222909' and a 'Reset' button. Below this is a checked checkbox for 'SIP authentication'. 'OK' and 'Cancel' buttons are at the bottom.

12 Appendix D: AAPP member's escalation process

Person to contact for any questions :

- Marc Labouille : IP Project manager : mlabouille@amphitech.fr
- Jérôme Galle : Production manager : jgalle@amphitech.fr

Web site : www.amphitech.fr and information on : wiki.amphitech.fr

AMPHITECH FRANCE
SAV/Support : Phone : +33 (0)1 43 67 96 74
1, rue Robert et Sonia Delaunay
F - 75011 Paris - FRANCE
Phone : +33 (0)1 43 67 98 09
Fax : +33 (0)1 43 67 13 97

13 Appendix E: AAPP program

13.1 Alcatel-Lucent Application Partner Program (AAPP)

The Application Partner Program is designed to support companies that develop communication applications for the enterprise market, based on Alcatel-Lucent Enterprise's product family. The program provides tools and support for developing, verifying and promoting compliant third-party applications that complement Alcatel-Lucent Enterprise's product family. ALE International facilitates market access for compliant applications.

The Alcatel-Lucent Application Partner Program (AAPP) has two main objectives:

- **Provide easy interfacing for Alcatel-Lucent Enterprise communication products:** Alcatel-Lucent Enterprise's communication products for the enterprise market include infrastructure elements, platforms and software suites. To ensure easy integration, the AAPP provides a full array of standards-based application programming interfaces and fully-documented proprietary interfaces. Together, these enable third-party applications to benefit fully from the potential of Alcatel-Lucent Enterprise products.
- **Test and verify a comprehensive range of third-party applications:** to ensure proper inter-working, ALE International tests and verifies selected third-party applications that complement its portfolio. Successful candidates, which are labelled Alcatel-Lucent Enterprise Compliant Application, come from every area of voice and data communications.

The Alcatel-Lucent Application Partner Program covers a wide array of third-party applications/products designed for voice-centric and data-centric networks in the enterprise market, including terminals, communication applications, mobility, management, security, etc.

Web site

The Application Partner Portal is a website dedicated to the AAPP program and where the InterWorking Reports can be consulted. Its access is free at <http://applicationpartner.alcatel-lucent.com>

The screenshot displays the Alcatel-Lucent Enterprise Portal. At the top, the Alcatel-Lucent logo and 'Enterprise Portal for certified applications' are visible. A navigation menu includes 'Home', 'About the program', 'Join the program', 'Partnerships', and 'APIs'. A search bar is located in the top right corner. The main content area features a 'Latest news' banner for TAPI 4.0.6 compatibility. Below this, a large section titled 'AAPP Interworking Reports' states that the reports are now available in public access, with a 'Visit the list' button. To the left, a 'Browse' section offers links for 'All applications' and 'Find an application'. To the right, a 'Benefit from the Program services' section describes the technology and business services provided. Further right, there are promotional banners for 'Discover Alcatel-Lucent enterprise products', 'Welcome to the AAPP Factory', and 'Join now'. A 'Quick Access' section at the bottom right highlights 'Interworking Reports (public access)'.

13.2 Enterprise.Alcatel-Lucent.com

You can access the Alcatel-Lucent Enterprise website at this URL: <http://enterprise.alcatel-lucent.com/>

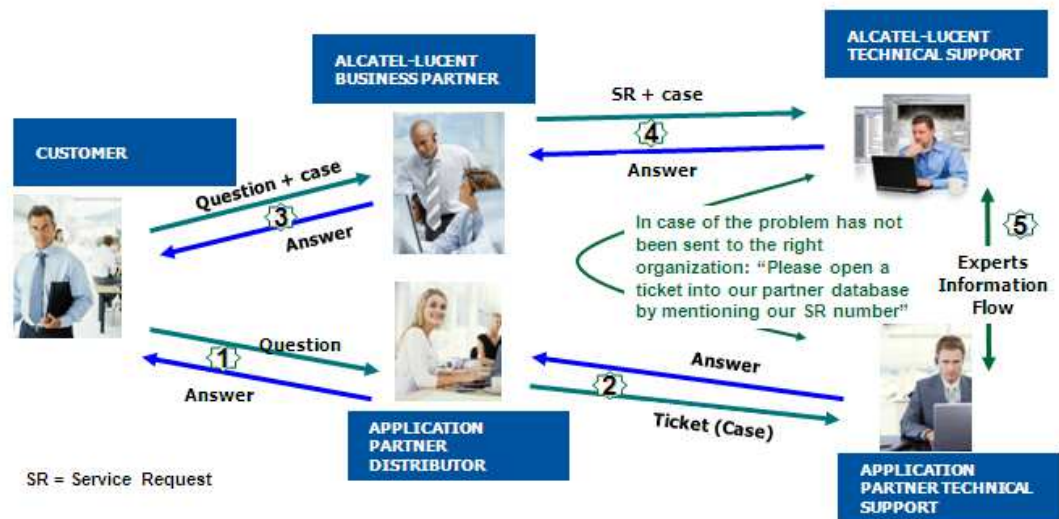
14 Appendix F: AAPP Escalation process

14.1 Introduction

The purpose of this appendix is to define the escalation process to be applied by the ALE International Business Partners when facing a problem with the solution certified in this document.

The principle is that ALE International Technical Support will be subject to the existence of a valid InterWorking Report within the limits defined in the chapter "Limits of the Technical support".

In case technical support is granted, ALE International and the Application Partner, are engaged as following:



(*) The Application Partner Business Partner can be a Third-Party company or the ALE International Business Partner itself

14.2 Escalation in case of a valid Inter-Working Report

The InterWorking Report describes the test cases which have been performed, the conditions of the testing and the observed limitations.

This defines the scope of what has been certified.

If the issue is in the scope of the IWR, both parties, ALE International and the Application Partner, are engaged:

Case 1: the responsibility can be established 100% on ALE International side.

In that case, the problem must be escalated by the ALE Business Partner to the ALE International Support Center using the standard process: open a ticket (eService Request – eSR)

Case 2: the responsibility can be established 100% on Application Partner side.

In that case, the problem must be escalated directly to the Application Partner by opening a ticket through the Partner Hotline. In general, the process to be applied for the Application Partner is described in the IWR.

Case 3: the responsibility can not be established.

In that case the following process applies:

- The Application Partner shall be contacted first by the Business Partner (responsible for the application, see figure in previous page) for an analysis of the problem.
- The ALE International Business Partner will escalate the problem to the ALE International Support Center only if the Application Partner has demonstrated with traces a problem on the ALE International side or if the Application Partner (not the Business Partner) needs the involvement of ALE International

In that case, the ALE International Business Partner must provide the reference of the Case Number on the Application Partner side. The Application Partner must provide to ALE International the results of its investigations, traces, etc, related to this Case Number.

ALE International reserves the right to close the case opened on his side if the investigations made on the Application Partner side are insufficient or do not exist.

Note: Known problems or remarks mentioned in the IWR will not be taken into account.

For any issue reported by a Business Partner outside the scope of the IWR, ALE International offers the “On Demand Diagnostic” service where ALE International will provide 8 hours assistance against payment .

IMPORTANT NOTE 1: The possibility to configure the Alcatel-Lucent Enterprise PBX with ACTIS quotation tool in order to interwork with an external application is not the guarantee of the availability and the support of the solution. The reference remains the existence of a valid InterWorking Report.

Please check the availability of the Inter-Working Report on the AAPP (URL: <https://private.applicationpartner.alcatel-lucent.com>) or Enterprise Business Portal (Url: [Enterprise Business Portal](#)) web sites.

IMPORTANT NOTE 2: Involvement of the ALE International Business Partner is mandatory, the access to the Alcatel-Lucent Enterprise platform (remote access, login/password) being the Business Partner responsibility.

14.3 Escalation in all other cases

For non-certified AAPP applications, no valid InterWorking Report is available and the integrator is expected to troubleshoot the issue. If the ALE Business Partner finds out the reported issue is maybe due to one of the Alcatel-Lucent Enterprise solutions, the ALE Business Partner opens a ticket with ALE International Support and shares all trouble shooting information and conclusions that shows a need for ALE International to analyze.

Access to technical support requires a valid ALE maintenance contract and the most recent maintenance software revision deployed on site. The resolution of those non-AAPP solutions cases is based on best effort and there is no commitment to fix or enhance the licensed Alcatel-Lucent Enterprise software.

For information, for non-certified AAPP applications and if the ALE Business Partner is not able to find out the issues, ALE International offers an "On Demand Diagnostic" service where assistance will be provided for a fee.

14.4 Technical support access

The ALE International **Support Center** is open 24 hours a day; 7 days a week:

- e-Support from the Application Partner Web site (if registered Alcatel-Lucent Application Partner): <http://applicationpartner.alcatel-lucent.com>
- e-Support from the ALE International Business Partners Web site (if registered Alcatel-Lucent Enterprise Business Partners): <https://businessportal2.alcatel-lucent.com> click under "Contact us" the *eService Request* link
- e-mail: Ebg_Global_Supportcenter@al-enterprise.com
- Fax number: +33(0)3 69 20 85 85
- Telephone numbers:

ALE International Business Partners Support Center for countries

:

Country	Supported language	Toll free number
France	French	+800-00200100
Belgium		
Luxembourg		
Germany	German	
Austria		
Switzerland		
United Kingdom	English	
Italy		
Australia		
Denmark		
Ireland		
Netherlands		
South Africa		
Norway		
Poland		
Sweden		
Czech Republic		
Estonia		
Finland		
Greece		
Slovakia		
Portugal		
Spain	Spanish	

For other countries:

English answer: + 1 650 385 2193
 French answer: + 1 650 385 2196
 German answer: + 1 650 385 2197
 Spanish answer: + 1 650 385 2198

END OF DOCUMENT