

Téléphones SIP

Dans le cadre de mon projet VOIP, j'ai dû configurer 3 téléphones SIP.

Leurs modèles :

- 2 x Yealink T54W
- 1x Aastra 6731i

Configuration

Pour les Yealink :

Les Yealinks se branchent en PoE et leur mot de passe par défaut est admin. Ils sont plutôt faciles à configurer via l'interface directement intégré à l'appareil.

J'ai commencé par les brancher à mon switch afin que le DHCP de mon routeur leur distribue un IP (que j'ai par la suite fixée grâce à leur adresse MAC respective).

Ensuite, j'ai entré l'un des comptes SIP que j'ai créé sur Asterisk afin de rendre l'appareil fonctionnel.

Voici ma configuration sur l'un d'entre eux :

Network ?	Internet Port	IPv4
IPv4 ?	WAN Port Type	DHCP
	WAN IP Address	192.168.101.9
	Subnet Mask	255.255.255.0
	Gateway	192.168.101.254
	Primary DNS	192.168.101.254
	Secondary DNS	

Téléphones SIP – Mise en place

The screenshot shows the Yealink T54W Phone web interface. The browser address bar indicates a non-secure connection to <https://192.168.101.9/api#/account-register?acc=1>. The interface has a dark sidebar on the left with a menu containing: Status, Account, Register (highlighted), Basic, Codec, Advanced, Network, Dsskey, Features, Settings, Directory, and Security. The main content area is titled 'Yealink | T54W' and shows the 'Account' configuration for 'Account 1 (300 : Registered)'. The configuration includes fields for Register status (Registered), Line Active (ON), Label (300), Display Name (300), Register Name (300), Username (300), and Password (masked with asterisks). Below this, there are sections for 'SIP Server 1' and 'SIP Server 2'. SIP Server 1 has fields for Server Host (192.168.101.5), Port (5060), Transport (UDP), Server Expires (3600), and Server Retry Counts (3). SIP Server 2 has fields for Server Host, Port (5060), Transport (UDP), and Server Expires (3600). At the bottom, there are 'Confirm' and 'Cancel' buttons.

Pour le Aastra :

L'Aastra se branche également en PoE et leur mot de passe par défaut est 22222.

Pour la configuration, j'ai fait la même chose que pour les Yealink mais via sa propre interface.

Téléphones SIP – Mise en place

← ↻ Non sécurisé | 192.168.101.10

MITEL

Status

System Information

License Status

Operation

User Password

Phone Lock

Softkeys and XML

Programmable Keys

Keypad Speed Dial

Directory

Reset

Basic Settings

Preferences

Account Configuration

Advanced Settings

Network

Global SIP

Line 1

Line 2

Line 3

Line 4

Line 5

Line 6

Line 7

Line 8

Line 9

Action URI

Configuration Server

Firmware Update

TLS Support

802.1x Support

Troubleshooting

System Information

Network Status		
Attribute	LAN Port	PC Port
Link State	Up	Down
Negotiation	Auto	Auto
Speed	100Mbps	10Mbps
Duplex	Full	Half

Hardware Information	
Attribute	Value
MAC Address	00-08-5D-28-8E-66
Platform	6755i Revision 0

Firmware Information	
Attribute	Value
Firmware Version	3.3.1.4305
Firmware Release Code	SIP
Boot Version	2.5.2.1010
Date/Time	Jun 2 2016 02:17:15

SIP Status			
Line	SIP Account	Status	Backup Registrar Used?
1	301@192.168.101.5	Registered	No
2	301@192.168.101.5	Registered	No
3	301@192.168.101.5	Registered	No
4	301@192.168.101.5	Registered	No

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Basic Network Settings

DHCP	<input checked="" type="checkbox"/> Enabled
IP Address	192.168.101.10
Subnet Mask	255.255.255.0
Gateway	192.168.101.254
Primary DNS	192.168.101.254
Secondary DNS	0.0.0.0
Hostname	55i00085D288E66
LAN Port	Auto Negotiation
PC Port PassThru Enable/Disable	<input checked="" type="checkbox"/> Enabled
PC Port	Auto Negotiation

Advanced Network Settings

DHCP Download Options	Any
LLDP	<input checked="" type="checkbox"/> Enabled
LLDP packet interval	30
NAT IP	0.0.0.0
NAT SIP Port	51620
NAT RTP Port	51720
STUN Server	0.0.0.0
STUN Port	3478
TURN Server	0.0.0.0
TURN Port	3479
TURN User ID	
TURN Password	
Rport (RFC 3581)	<input type="checkbox"/> Enabled

HTTPS Settings

HTTPS Server - Redirect HTTP to HTTPS	<input type="checkbox"/> Enabled
HTTPS Server - Block XML HTTP POSTs	<input type="checkbox"/> Enabled
HTTPS Client Method	TLS Preferred
Validate Certificates	<input checked="" type="checkbox"/> Enabled
Check Certificate Expiration	<input checked="" type="checkbox"/> Enabled
Check Certificate Hostnames	<input checked="" type="checkbox"/> Enabled
Trusted Certificates Filename	

Type of Service DSCP

SIP	26
RTP	46
RTCP	46

Téléphones SIP – Mise en place

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Troubleshooting

Global SIP Settings

Basic SIP Authentication Settings

Screen Name

Screen Name 2

Phone Number

Caller ID

Authentication Name

Password

BLA Number

Line Mode

Call Waiting

Basic SIP Network Settings

Proxy Server

Proxy Port

Backup Proxy Server

Backup Proxy Port

Outbound Proxy Server

Outbound Proxy Port

Backup Outbound Proxy Server

Backup Outbound Proxy Port

Registrar Server

Registrar Port

Backup Registrar Server

Backup Registrar Port

Registration Period

Conference Server URI

Advanced SIP Settings

Explicit MMI Subscription

Explicit MMI Subscription Period

MMI for BLA account

AS-Feature-Event Subscription

AS-Feature-Event Subscription Period

Send MAC Address in REGISTER Message

Send Line Number in REGISTER Message

Session Timer

T1 Timer

T2 Timer

Transaction Timer

Transport Protocol

Local SIP UDP/TCP Port

Local SIP TLS Port

Registration Failed Retry Timer

Registration Timeout Retry Timer

Registration Renewal Timer

BLF Subscription Period

ACD Subscription Period

BLA Subscription Period