

Metaswitch SIP Provisioning Server Endpoint Pack Documentation

This document explains how to use a specific endpoint pack with the Metaswitch SIP Provisioning Server. If you require further help using this pack and this is an accredited or certified device then Metaswitch will be able to provide assistance. For community packs, please contact the pack author.

For further details on how to develop or extend endpoint packs please see the official documentation, including “Creating an Endpoint Pack”. To find out more about your SIP end-point, please consult the Admin and User guides.

Note: this endpoint pack is compatible with SIP PS SDK version 2.0 and above. If you are unsure which version of SIP PS SDK you are running, see <https://communities.metaswitch.com/docs/DOC-91097> for a guide.

Please note: this pack requires EAS version 8.1.04 or above (inc. 8.3) to function.

For general information on how to use the SIP Provisioning Server, please contact your Metaswitch representative.

Pack Details

Endpoint Pack ID	Yealink_T2X_certified
Author	Yealink Network Technology Co., Ltd
Version	3
Support contact	support@yealink.com
Date of Publication	2015-03-14
End-point Vendor	Yealink
End-point devices covered by this pack	T19P,T20P ,T21P,T22P,T26P,T28P
Firmware version(s) included	T19P: T19P-31.71.202.51.rom T20P: T20P-9.71.202.177.rom T21P: T21P-34.71.202.91.rom T22P: T22P-7.71.202.177.rom T26P: T26P-6.71.202.177.rom T28P: T28P-2.71.202.177.rom

Setup Instructions

DHCP Option to use	66
DHCP URL	http[s]://example.com/sip-ps/
How to configure provisioning URL via web interface	<ul style="list-style-type: none"> - Navigate to the ‘Settings’ link on the upside. - Navigate to the ‘Auto Provision’ link on the left hand side - Enter http[s]://example.com/sip-ps/ in the Server URL field. - Click on”Confirm” to save
How to configure provisioning URL via endpoint menu	Menu >4. Settings > 2. Advanced Settings> 9.Auto Provision> 1.URL
Authorisation mode	HTTP Digest

Non-alphanumeric character input instructions (enter n/a if not possible to enter)	Press the 'Abc' softkey to switch to non-numeric input mode. Press key * for " * , ! : @ + - \$ / " , key # for " # "
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Authentication Login

HTTP Digest login instructions	After phone starts, the screen will display "Zero touch" interface, click OK, then click Next, enter the subscriber DN as username and EAS password as password, and click OK. Note: If you do not see the "Zero touch" in the screen, please click Setting-> Auto Provision-> Zero Active, enable this feature, and restart the phone.
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Default Settings

Default user password for web UI	user
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Default passwords for endpoint menu, if different from web UI

Default admin password for web UI	admin
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Miscellaneous

This pack is compatible with Yealink firmware X.71.202.X. If an endpoint of other firmware is provisioned then it will be given this version automatically .

Release Notes

Change	Comments	SFR (if applicable)
Fixed the issue that the T2x series couldn't create a conference.	The Conference Softkey was lost by chance when user created a conference call. This has been fixed.	
Fixed the issue that user couldn't perform a semi-attended transfer.	There was a "Transfer Failed" prompt on the LCD screen when user performed a semi-attended transfer. This has been fixed.	
Fixed the issue that the Conference Softkey was lost when the shared-line is in use.	The Conference Softkey was lost during a call for shared-line. The pack now fixed the problem .	

Fixed the factory setting value of Auto Provisioning URL.

The new value was set to null.

Renamed the module of Programmable Keys

The module of Programmable keys was renamed as Programmable keys--Line Key.

Add a new feature for downloading Business Group Contacts to Local Directory.

User cannot download Business Group Contacts to Local Directory in Endpoint Pack V1 , we add a configuration to the Endpoint Pack V3. If you want to use this function ,you should:

1.Navigation to :Features→Remote Phone Book → Download Business Group Contacts

2.Choose “Enabled”

3.Enter the display name to “Display Item Name 1

4.Navigation to :Programmable Keys - Memory Key or Programmable Keys - Line Key

5.Choose a Soft key and select “XML Group ” from the dropdown options of Soft Key Action

6.select “remote phone book URL 1 ” from the dropdown options of XML Group

7.Enter the display name to “Label”

8.Save Changes and reboot the phone

After the phone get its mac.cfg file, you can press this line key(or memory key) then your BG Contacts will be display on the phone UI

Adjusted the module layout.

Moved the module of "User-->Locale" to the new module of "Preferences-->Time&Date" and the "Preferences-->Language".

Adjusted the module layout.

Moved the module of "Provisioning-->Transport" to "Preference-->WEB GUI".

Adjusted the module layout.

Moved the module of "Network Settings--Diagnostics" to "Provisioning-->Diagnostics".

Adjusted the module layout.

The configuration of "IP Address and Port" which in the Paging Group was now decomposed into"Address" and "Port".

Change the Line Description.	The custom Description of Line Description was now changed to be a selective configuration. User can either select custom Description, or Use Directory Number, or Use Extension.
Added some soft key actions.	Added some soft key actions as follows: Conference Forward Group Listening Hold KeyPad Lock LDAP Multicast Paging Prefix Transfer XML Group Zero Touch
Deleted some soft key actions.	Deleted some soft key actions as follows: Call List Call Park XML APP
Added“ Features” module.	Added“ Features” modules and multiple new features have been added to this module. They are listed below – See their help text in the phone profile editor for a full description of what they do: Dial Plan VoiceMail Call Waiting DND&Forward Transfer Conference BLF Intercom HotLine LDAP Remote Phone Book
Added “Preferences” module.	Added “Preferences” modules and multiple new features have been added to this module. They are listed below – See their help text in the phone profile editor for a full description of what they do: Time&Date Language WEB GUI Display Ring Tone Key Tone

	<p>Country Tone Headset KeyPad Lock</p>
<p>Added “Security” module.</p>	<p>Added “Security” modules and multiple new features have been added to this module. They are listed below – See their help text in the phone profile editor for a full description of what they do:</p> <p>Phone Access (username&password setting) SSL Certificates setting</p>
<p>Added three configurations in the module of Paging Group.</p>	<p>Added three configurations in the module of Paging Group. They are listed below – See their help text in the phone profile editor for a full description of what they do:</p> <p>Outgoing page Codec Paging Priority Enable Priority paging group</p>
<p>Added some configurations in the module of Line N.</p>	<p>Multiple new configurations have been added to Line N module.They are listed below – See their help text in the phone profile editor for a full description of what they do:</p> <p>In “SIP Server” Submodular :</p> <p>Enable Outbound Proxy Server Outbound Proxy Outbound Proxy Port Transport Registration failure retry (s) Only Accept Message From Trusted Server SIP Server Address SIP Server Port Registration expiry (s)</p> <p>In “Dial Plan”Submodular:</p> <p>Dial-Now Rule Applicable to Line</p> <p>In “RTP”Submodular:</p> <p>RTP Encryption (SRTP) RTP packet time</p> <p>In " Codec " Submodular:</p> <p>1st Codec 2nd Codec 3rd Codec 4th Codec 5th Codec</p> <p>In “NAT” Submodular:</p> <p>NAT Traversal</p>

STUN Server
 STUN Server Port
 Keep Alive Type
 Keep Alive Interval(Seconds)
 NAT Rport

In “DTMF” Submodular:

DTMF Type
 DTMF Info Type
 DTMF Payload Type

In “Session Timer” Submodular :

SIP Session Timer T1
 SIP Session Timer T2
 SIP Session Timer T4

Added some configurations in the module of Provisioning.

Multiple new configurations have been added to Provisioning module.They are listed below – See their help text in the phone profile editor for a full description of what they do:

In “Server Address” Submodular:

PNP Provisioning Enable
 DHCP Provisioning Enable
 Custom Option (128~254)
 Provisioning Server URL
 User Name
 Password

In “Polling” Submodular:

Poll for configuration updates
 Day of week For Check New Configuration
 Polling Window Start
 Polling Window End
 Repeatedly Interval
 Custom MAC- Oriented URL

Added some configurations in the module of Network Settings.

Multiple new configurations have been added to Network Settings module .They are listed below – See their help text in the phone profile editor for a full description of what they do:

In “IP Setting” Submodular:

Internet Port Mode(IPv4/IPv6)
 Internet Port Type For IPV4
 Static IP Address
 Subnet Mask
 Gateway
 Primary DNS
 Secondary DNS
 Internet Port Type For IPV6
 Static IP Address
 IPv6 Prefix

Gateway

Primary DNS

Secondary DNS

In “Vlan” Submodular:

WAN Vlan Enable

WAN Vlan ID

WAN Vlan Priority

PC Port Mode

PC Port Vlan Priority

DHCP Vlan Enable

DHCP Vlan Option

LLDP Enable

LLDP Packet Interval

In “Port Link” Submodular:

WAN Port Link

PC Port Link

In “Local RTP Port” Submodular:

Max RTP Port

Min RTP Port

In “802.1x” Submodular:

802.1x Mode

Identity

MD5 Password

CA Certificates Access URL

Device Certificates Access URL

In “VPN” Submodular:

VPN Enable

Upload VPN Config


