

# Yealink SIP IP Phones Release Notes of Version 80

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# Yealink SIP IP Phones Release Notes of Version x.80.0.70

## 1. Introduction

- Firmware Version:
  - T21P-E2: 52.80.0.60 upgrades to 52.80.0.70.
  - T23G/P: 44.80.0.60 upgrades to 44.80.0.70.
  - T27P: 45.80.0.60 upgrades to 45.80.0.70.
  - T29G: 46.80.0.60 upgrades to 46.80.0.70.
  - T41P: 36.73.0.60 upgrades to 36.80.0.70.
  - T42G: 29.73.0.60 upgrades to 29.80.0.70.
  - T46G: 28.73.0.60 upgrades to 28.80.0.70.
  - T48G: 35.73.0.60 upgrades to 35.80.0.70.
- Applicable Models: SIP-T21P-E2/T23(G/P)/T27P/T29G/T41P/T42G/T46G/T48G
- Release Date: Aug 8<sup>th</sup>, 2015.

## 2. New Features

## 3. Optimization

- Optimized the permitted values and default values of the sending volume in the newly version of 80.

## 4. BUG Fixes

- Fixed the issue that the https may cause failure to update with the 3CX server.
- Fixed the issue that the phone cannot be blind transferred.
- Fixed the issue that the user couldn't hear any audio with T4 series phones when the firmware was upgraded to the newly version of 80.

## Yealink SIP IP Phones Release Notes of Version

### x.80.0.60

#### 1. Introduction

- Firmware Version:
  - T21P-E2: 52.80.0.3 upgrades to 52.80.0.60.
  - T23G/P: 44.80.0.25 upgrades to 44.80.0.60.
  - T27P: 45.80.0.25 upgrades to 45.80.0.60.
  - T29G: 46.80.0.25 upgrades to 46.80.0.60.
  - T41P: 36.73.0.50 upgrades to 36.80.0.60.
  - T42G: 29.73.0.50 upgrades to 29.80.0.60.
  - T46G: 28.73.0.50 upgrades to 28.80.0.60
  - T48G: 35.73.0.50 upgrades to 35.80.0.60.
- Applicable Models: SIP-T21P-E2/T23(G/P)/T27P/T29G/T41P/T42G/T46G/T48G
- Release Date: July 5<sup>th</sup>, 2015.

#### 2. New Features

- Added the feature of Outbound Proxy Server Backup.
- Added seven Action URL to the newly version.
- Added the feature of Draft BLA.
- Added the feature of CDP.
- Added the feature of Location in TimeZone module.
- Added the feature of SMS in the model of T48G\T29G\T46G.
- Added the support of SHA256、SHA512、SHA384.

#### 3. Optimization

- Optimized the feature of RTCP-XR.
- Optimized the feature of configuring the sending volume of the handset.
- Optimized the feature of XML Browser.

- Optimized the feature of Remote Phonebook.
- Optimized the feature of SCA.
- Optimized the using of EXP38 on T27 and T29.
- Optimized the tone quality on T4X/T23/T27/T29.
- Optimized the content of note on the SIP phones.
- Optimized the configuration path on the web user interface.
- Optimized the document of Yealink IP Phones Auto Provisioning Guide.

## 4. Bug Fixes

- Fixed the issue that the phone was noisy when connected with YHS32.
- Fixed the issue that the communications is one-way on T23G.
- Fixed the issue that the value of timezone which displayed on LCD screen was error.
- Fixed the translation issues of Spanish in all models.
- Fixed the display issue that the volume icon was defective when the user adjusted the ringer volume when the phone is idle.
- Fixed the translation issues of German on the web user interface.
- Fixed the display issue that the BLF displayed abnormally on T23P and T29G.
- Fixed the issue that the new T2 series was problematic when connected with EXP38 and EXP39.
- Fixed the issue that the new version could not support the communication tools of UME.
- Fixed the display issue that the GUI of T21P E2 was defective when it was in the Transfer scene.

## 5. New Features Descriptions

- **Added the feature of Outbound Proxy Server Backup.**

**Description:** Added the feature of Outbound Proxy Server in the account registration module.

**The parameters in the auto provision template are described as follows:**

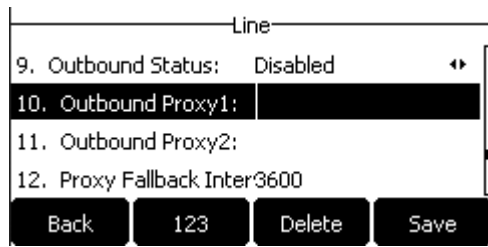
*account.X.backup\_outbound\_host =*

*account.X.backup\_outbound\_port =*

*account.X.outbound\_proxy\_fallback\_interval =*

**To set this feature via phone user interface:**

Menu → Setting → Advanced Settings → Accounts



To set this feature via web user interface:

Enable Outbound Proxy Server	Disabled	
Outbound Proxy Server 1	10.3.5.199	Port: 5060
Outbound Proxy Server 2	10.3.5.190	Port: 5060
Proxy Fallback Interval	3600	

- **Added seven Action URL to the newly version.**

**Description:** The Action URLs were as follows:

*Open Call Waiting;*

*Colse Call Waiting;*

*Headset;*

*Handfree;*

*Cancel Call Out;*

*Remote Busy;*

*Call Remote Canceled;*

**The parameters in the auto provision template are described as follows:**

*action\_url.call\_waiting\_on =*

*action\_url.call\_waiting\_off =*

*action\_url.headset =*

*action\_url.handfree =*

*action\_url.cancel\_callout =*

*action\_url.remote\_busy =*

*action\_url.call\_remote\_canceled =*

- **Added the feature of Draft BLA.**

To set Draft BLA via web user interface:

Account → Advanced

Shared Line	Draft BLA	?
Dialog Info Call Pickup	Disabled	?
BLA Number		?

- **Added the feature of CDP.**

**Description:** Added a new configuration item in the web user interface.

**The parameters in the auto provision template are described as follows:**

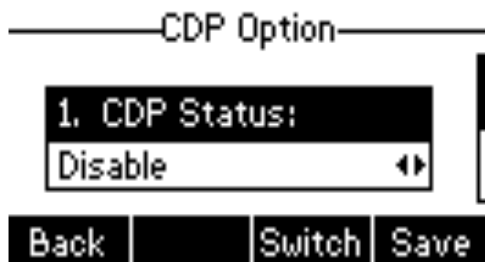
`network.cdp.enable =`

*##Enables or disables the CDP (Cisco Discovery Protocol) feature on the IP phone.*

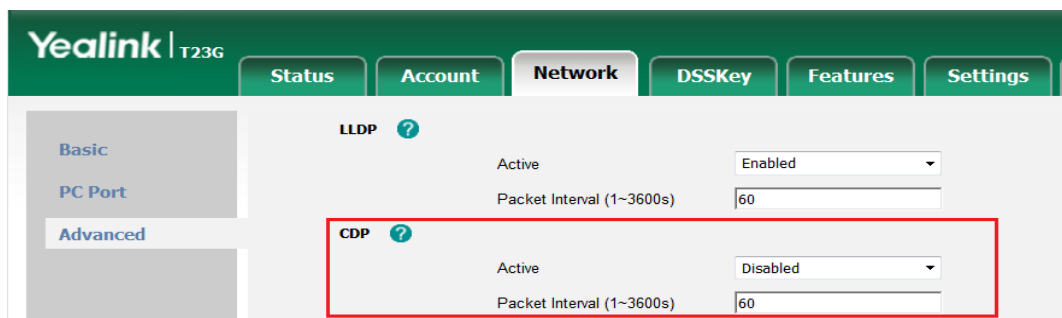
`network.cdp.packet_interval =`

*##Configures the interval (in seconds) for the IP phone to send the CDP (Cisco Discovery Protocol) request.*

**To set this feature via phone user interface:**



**To set this feature via web user interface:**



- **Added the feature of Location in TimeZone module.**

**To set the location via web user interface:**

Settings->Time & Date

**To set this feature via phone user interface:**

Menu->Settings->Basic Settings->Time&Date->SNTP Settings

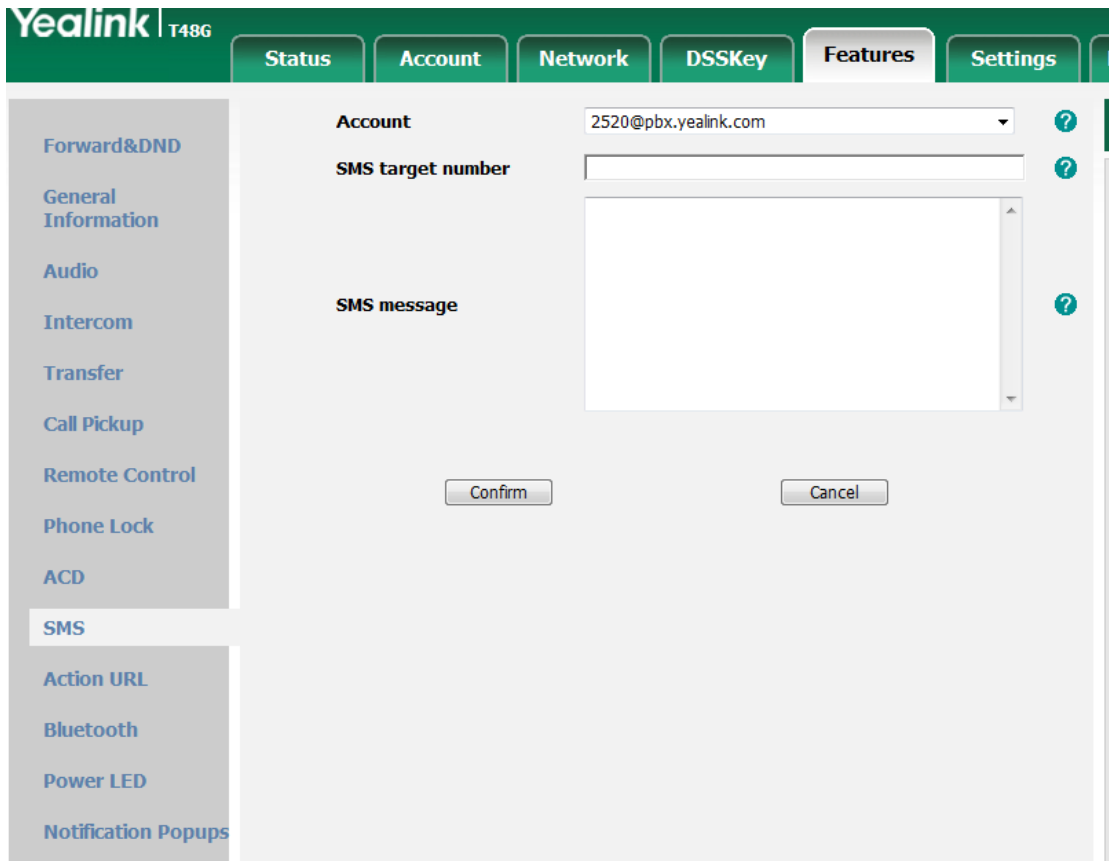
**The parameter in the auto provision template is described as follows:**

local\_time.time\_zone\_name =

- Added the feature of SMS in the model of T48\T29\T46.

**To set the SMS via web user interface:**

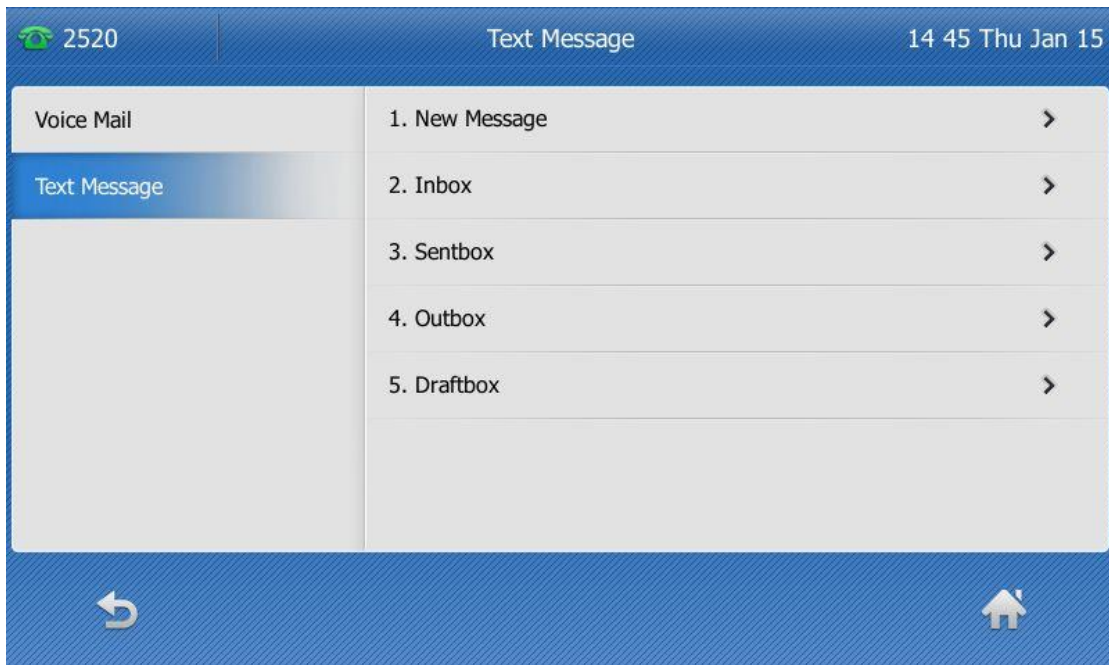
Features->SMS



**To set this feature via phone user interface:**

Menu->Message->Text

Message



## 6. Optimization Descriptions

- Optimized the feature of RTCP-XR.



- **Optimized the feature of configuring the sending volume of the handset.**

The parameters in the auto provision template are described as follows:

*voice.handfree\_send =*

*voice.handset\_send =*

*voice.headset\_send =*

For more information please refer to the *Yealink\_SIP-T2\_Series\_T19(P)  
E2\_T4\_Series IP phones\_Description of Configuration Parameters in CFG  
Files\_V80\_60*

- **Optimized the feature of XML Browser.**

- **Optimized the feature of Remote Phonebook.**

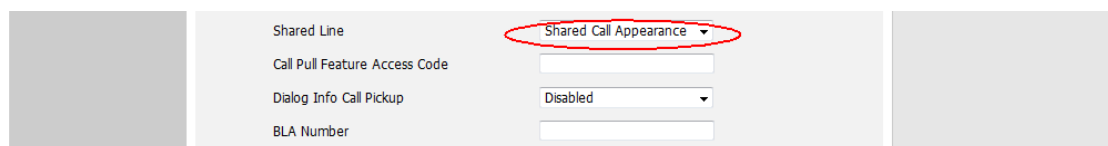
**Description:** Unified the handling mechanism on all SIP phones, the searching user interface was now matched the #SEARCH character.

- **Optimized the feature of SCA.**

**Description:** Modified the configuring item name as Shared Call Appearance in the web user interface.

**To set the SMS via web user interface:**

Account → Advanced



The screenshot shows a configuration page for a Shared Line. The 'Shared Call Appearance' dropdown menu is highlighted with a red circle. The other fields are: Call Pull Feature Access Code (text input), Dialog Info Call Pickup (dropdown menu with 'Disabled' selected), and BLA Number (text input).

- **Optimized the support of EXP38 on T27 and T29.**

- **Optimized the tone quality on T4X/T23/T27/T29.**

- **Optimized the content of note on the SIP phones.**

**Description:** Removed the note feature on the black-and-white screens. Optimized the prompts indicates on the color screen.

**The parameter in the auto provision template is described as follows:**

*account.X.display\_name =*

For more information please refer to the *Yealink\_SIP-T2\_Series\_T19(P)  
E2\_T4\_Series IP phones\_Description of Configuration Parameters in CFG  
Files\_V80\_60*

- **Optimized the configuration path on the web user interface.**

**Description:** The old configuration parameter of Transport was now moved to the path of backup outbound proxy server.

**The parameter in the auto provision template was now modified as bellow:**  
*account.X.sip\_server.Y.transport\_type =*

**To set this feature via web user interface:**

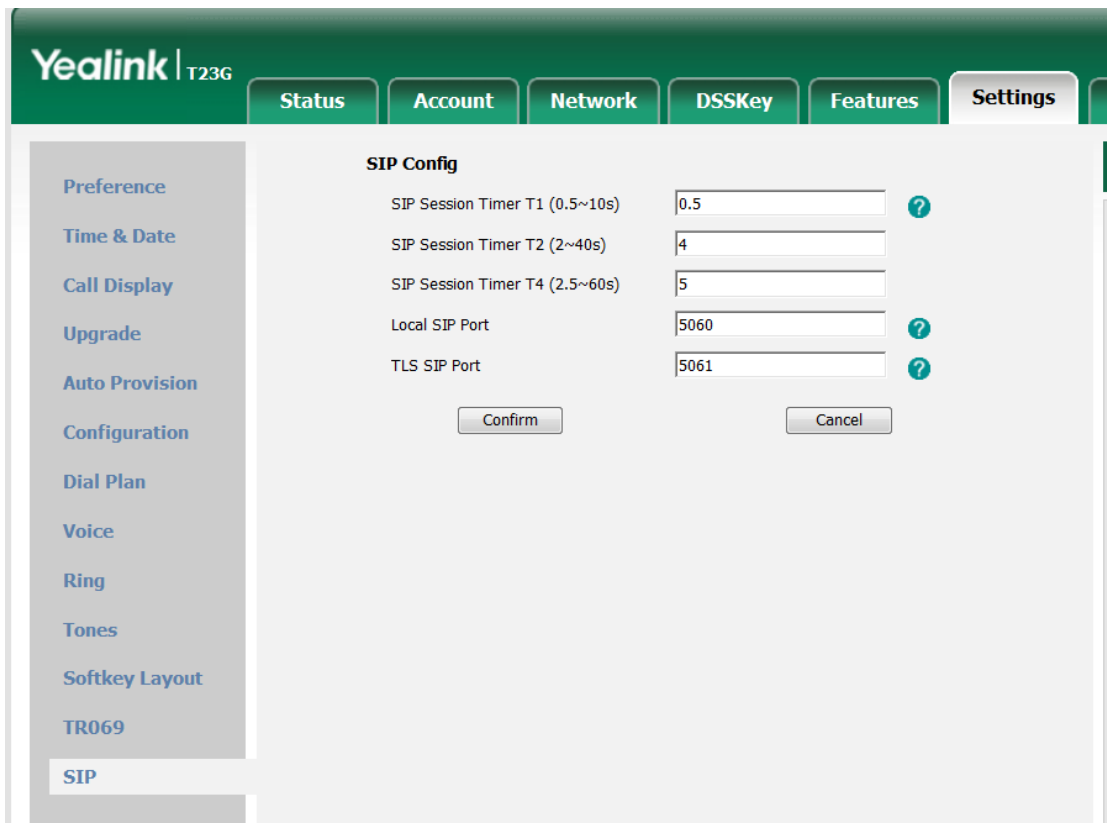
The screenshot shows the 'Register' configuration page. On the left, there is a sidebar with 'Basic', 'Codec', and 'Advanced' tabs. The main content area is titled 'Register' and shows 'Registered' status. The configuration is organized into sections: 'SIP Server 1' and 'SIP Server 2'. Each section includes fields for 'Server Host', 'Port', 'Transport', 'Server Expires', and 'Server Retry Counts'. In the 'SIP Server 1' section, the 'Transport' dropdown menu is set to 'UDP' and is highlighted with a red rectangular box. Other fields like 'Line Active' (Enabled), 'Label' (1), 'Display Name' (1), 'Register Name' (1), and 'User Name' (1) are also visible.

The old configuration parameters of Local SIP Port and SIP Session Timer in the advanced account web page were now moved to the page of Setting-SIP.

The old page in the version of 73:

The screenshot shows the 'Account' configuration page. At the top, there are tabs for 'Status', 'Account', 'Network', 'DSSKey', and 'Features'. The 'Account' tab is selected, showing 'Account 1'. The configuration includes fields for 'Keep Alive Type' (Default), 'Keep Alive Interval(Seconds)' (30), 'Local SIP Port' (5060), 'RPort' (Disabled), and three 'SIP Session Timer' fields: 'SIP Session Timer T1 (0.5~10s)' (0.5), 'SIP Session Timer T2 (2~40s)' (4), and 'SIP Session Timer T4 (2.5~60s)' (5). The 'Local SIP Port' and the three 'SIP Session Timer' fields are highlighted with red rectangular boxes.

The new page in the version of 80:



- **Optimized the document of Yealink IP Phones Auto Provisioning Guide.**

**Description:** Optimized the document of Yealink IP Phones Auto Provisioning Guide, for more information about the Description of Configuration Parameters in CFG Files please refer to the *Yealink\_SIP-T2\_Series\_T19(P) E2\_T4\_Series IP phones\_Description of Configuration Parameters in CFG Files\_V80\_60*.

## 7. Default Value Setting Changes

Auto Provision Template Flies Change Log						
Firmware Version: [x.73.0.x]-[x.80.0.x]						
Feature	Provisioning syntax Comparison		Default Values	Action	Description	File
	V80	V73				
local_time	local_time.offset_time=?60	local_time.offset_time=?	Integer from -300 to 300	Modified	It configures the offset time (in minutes) of DST. Note: It works only if the value of the parameter "local_time.summer_time" is set to 1 (Enabled).	Mac.cfg

network	network.port. max_rtpport = 12780	network.port. max_rtpport = 11800	Integer from 1 to 65535	Modified	It configures the maximum local RTP port.  Note: The value of the maximum local RTP port cannot be less than that of the minimum local RTP port.	Common.config
zero_touch	zero_touch.network_fail_wait_times =?8	zero_touch.network_fail_wait_times =?5	Integer greater than 1	Modified	It configures the reconnection times when zero touch module fails to obtain network parameters.	Common.config
account	account.X.dtmf.info_type =0	account.X.dtmf.info_type =1	1, 2 or 3	Modified	It configures the DTMF info type for account X. 1-DTMF-Relay 2-DTMF 3-Telephone-Event  Note: It works only if the value of parameter “account.X.dtmf.type” is set to 2 (SIP INFO) or 3 (RFC2833 + SIP INFO).	Mac.config
phone_setting	phone_setting.logon_wizard_forever_wait =?0	phone_setting.logon_wizard_forever_wait =?1	0 or 1	Modified	It enables or disables the IP phone to remain at the hot desking logon wizard even though timeout.  0-Disabled 1-Enabled	Common.config
features	features.dtmf.duration =?110	features.dtmf.duration =70	Integer from 0 to 300	Modified	It configures the duration time (in milliseconds) for DTMF.	Common.config
voice	voice.side_tone=?-25	voice.side_tone=-15	-25	Modified	It configures the volume of the side tone.	Common.config

account	account.X.codec.1.priority=?2	account.X.codec.1.priority=?1	<p>When Y=6, the default value is 0; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0.</p> <p>For T48G/T46G/ T42G/T41P/ T29G: When Y=1, the default value is 2; When Y=2, the default value is 3; When Y=3, the default value is 0; When Y=4, the default value is 0; When Y=5, the default value is 4; When Y=6, the default value is 1; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0;</p>	Modified	<p>It configures the priority of the enabled codec for account X.</p> <p>Example: account.1.codec.1.priority = 2</p>	Mac.cfg
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			When Y=10, the default value is 0; When Y=11, the default value is 0;			
account	account.X.codec.4.priority =?1	account.X.codec.6.priority =?4	<p>When Y=6, the default value is 0; When Y=7, the default value is 0; When Y=8, the default value is 0; When Y=9, the default value is 0.</p> <p>For T48G/T46G/ T42G/T41P/ T29G: When Y=1, the default value is 2; When Y=2, the default value is 3; When Y=3, the default value is 0; When Y=4, the default value is 0; When Y=5, the default value is 4; When Y=6, the default value is 1; When Y=7, the default value is 0;</p>	Modified	<p>It configures the priority of the enabled codec for account X.</p> <p>Example: account.1.codec.1.priority = 2</p>	Mac.cfg

			<p>When Y=8, the default value is 0;          When Y=9, the default value is 0;          When Y=10, the default value is 0;          When Y=11, the default value is 0;</p>			
account	account.X.codec.8.rtpmap=?102	account.X.codec.8.rtpmap=?2	<p>When Y=9, the default value is 105.</p> <p>ForT48G/T46G/T42G/T41P/T29G:          When Y=1, the default value is 0;          When Y=2, the default value is 8;          When Y=3, the default value is 4;          When Y=4, the default value is 4;          When Y=5, the default value is 18;          When Y=6, the default value is 9;          When Y=7, the default value is 106;          When Y=8, the default value is 103;          When Y=9,</p>	Modified	<p>It configures the rtpmap of the audio codec for account X.</p> <p>Example:          account.1.codec.1.rtpmap = 0</p>	Mac.cfg

			the default value is 104; When Y=10, the default value is 102; When Y=11, the default value is 105;			
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## 8. Configuration Parameters Enhancements

Auto Provision Template Files Change Log						
Firmware Version: [x.73.0.x]-[x.80.0.x]						
Feature	Provisioning syntax Comparison		Permitted Values	Action	Description	File
	V80	V73				
syslog	syslog.log_upload_period =	none	Integer from 30 to 2592000	Add	Added a new configuration item to configure the period of the log upload (in seconds) to the provisioning server. The default value is 30. It takes effect after a reboot.	common.cfg
syslog	syslog.ftp.post_mode =	none	1 or 2	Add	It configures whether the log files on the provisioning server are overwritten or appended. 1-Append 2-Overwrite (not applicable to TFTP Server) The default value is 1. It takes effect after a reboot. Note: It works only if the value of the parameter — syslog.mode    is set to 2 (FTP/TFTP Server).	common.cfg
syslog	syslog.ftp.max_logfile =	none	Integer from 200 to 65535	Add	It configures the maximum size of the log files on the provisioning server. The default value is 512. It takes effect after a reboot.	common.cfg



					Note: It works only if the value of the parameter <code>syslog.mode</code> is set to 2 (FTP/TFTP Server).	
syslog	<code>syslog.ftp.append_limit_mode =</code>	none	1 or 2	Add	It configures the phone to stop log upload or delete the old log when the log on the provisioning server reaches the max size. 1-Delete 2-Stop The default value is 1. It takes effect after a reboot.	common.cfg
syslog	<code>syslog.bootlog_upload_wait_time =</code>	none	Integer from 1 to 86400	Add	It configures the waiting time (in seconds) before the phone uploads the log file to the provisioning server. The default value is 120. It takes effect after a reboot.	common.cfg
syslog	<code>syslog.mode</code>	<code>syslog.mode</code>	0, 1 or 2	Change	It configures the IP phone to export log files to an FTP/TFTP Server (provisioning server), syslog server or the local system. 0-Local 1-Syslog Server 2-FTP/TFTP Server The default value is 0.	common.cfg
account	<code>account.x.blf.match_host.enable</code>	none	0 or 1	Add	It enables or disables host match feature for BLF/BLF list feature. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone can only recognize the NOTIFY message whose host field is the same as the one in the SUBSCRIBE message.	mac.cfg

					The default value is 0.	
Features	features.caller_name_type_on_dialing =	features.display_method_on_dialing =	1, 2 or 3	Change	It configures the account information displayed on the top left corner of the LCD screen the when the IP phone is in the pre-dialing or dialing screen. 1-Label 2-Display Name 3-User Name The default value is 3.	common.cfg
network	network.cdp.enable =	none	0 or 1	Add	It enables or disables CDP feature on the IP phone. 0-Disabled 1-Enabled The default value is 0. It takes effect after a reboot.	common.cfg
network	network.cdp.packet_interval =	none	Integer from 1 to 3600	Add	It configures the interval (in seconds) for the IP phone to send the CDP request. The default value is 60. It takes effect after a reboot. Note: It works only if the value of the parameter network.cdp.enable    is set to 1 (Enabled).	common.cfg
action_url	action_url.held =	none	URL within 256 characters	Add	It configures the action URL the IP phone sends when a call is held.	common.cfg
action_url	action_url.unheld =	none	URL within 256 characters	Add	It configures the action URL the IP phone sends when a call being held is resumed. Example: action_url.unheld = http://192.168.0.20/help.xml?IP=\$ip The default value is blank.	common.cfg
sip	sip.display_info_to =	none	0 or 1	Add	It enables or disables notifying the GUI of the information in the To field when	common.cfg

					receiving an incoming call. 0-Disabled 1-Enabled The default value is 0.	
sip	sip.limit_server_name =	none	String within 256 characters	Add	It configures the string that must be contained in the SIP server address. The default value is blank.	common.cfg
sip	sip.limit_server_reason =	none	String within 256 characters	Add	It configures the string returned as the reason of the register failure due to misconfiguration of the SIP server (not contains the string configured by the parameter — sip.limit_server_name    ). The default value is blank.	common.cfg
sip	sip.tls_listen_port =	none	Integer from 1024 to 65535	Add	It configures the local TLS listen port. The default value is 5061.	common.cfg
sip	sip.nat_stun.enable =	none	0 or 1	Add	It enables or disables STUN feature on the IP phone. 0-Disabled 1-Enabled The default value is 0.	common.cfg
account	account.X.dial_tone =	none	0,1 or 2	Add	It configures the dial tone for the IP phone. 0-Default (depend on the selection of country tone) 1-A specified tone 2-Mute The default value is 0.	mac.cfg
sip	sip.timer_t1 =	account.X.advanced.time_r_t1 =	Float from 0.5 to 10s	Change	It configures the SIP session timer T1 (in seconds).T1 is an estimate of the Round Trip Time (RTT)of transactions between a SIP client and SIP server. The default value is 0.5.	mac.cfg/ common.cfg
sip	sip.timer_t2 =	account.X.advanced.time_r_t2 =	Float from 2 to 40s	Change	It configures the SIP session timer T2 (in seconds).	mac.cfg/ comm

					T2 represents the maximum retransmit interval for non-INVITE requests and INVITE responses. The default value is 4.	on.cfg
sip	sip.timer_t4 =	account.X.advanced.timer_t4 =	Float from 2.5 to 60s	Change	It configures the SIP session timer T4 (in seconds).T4 represents the maximum duration a message will remain in the network. The default value is 5.	mac.cfg/ common.cfg
sip	sip.listen_port =	account.X.sip_listen_port	Integer from 1024 to 65535	Change	It configures the local SIP port. The default value is 5060.	mac.cfg/ common.cfg
sip	sip.nat_stun.server =	account.X.nat_stun_server	IP address or domain name	Change	It configures the IP address or domain name of the STUN server. The default value is blank.	mac.cfg/ common.cfg
sip	sip.nat_stun.port =	account.X.nat_stun_port =	Integer from 1024 to 65000	Change	It configures the port of the STUN server. The default value is 3478.	mac.cfg/ common.cfg
account	account.X.sip_server.Y.transport_type =	account.X.transport =	0, 1, 2 or 3	Change	It configures the type of transport protocol for account X. 0-UDP 1-TCP 2-TLS 3-DNS-NAPTR The default value is 0.	mac.cfg
sip	sip.trust_ctrl =	account.X.sip_trust_ctrl =	0 or 1	Change	It enables or disables the IP phone to only accept the message from the SIP and outbound proxy server. 0-Disabled 1-Enabled The default value is 0. Note: If you want to reject the call using IP address, make sure the value of the parameter features.direct_ip_call_enable    is set to 0 (Disabled).	mac.cfg/ common.cfg

dns	dns_cache_a. 1.name =	account.X.dn s_cache_a.Y. name =	Domain name	Change	It configures the domain name in SRV record X. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_a. 1.ip =	account.X.dn s_cache_a.Y.i p =	IP address	Change	It configures the IP address that the domain name in A record X maps to.The default value is blank.For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_a. 1.ttl =	account.X.dn s_cache_a.Y.t tl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that A record X may be cached before the record should be consulted again. The default value is 300.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.name =	account.X.dn s_cache_srv. Y.name =	Domain name	Change	It configures the domain name in SRV record X. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.port =	account.X.dn s_cache_srv. Y.port =	Integer from 0 to 65535	Change	It configures the port to be used in SRV record X. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.priority =	account.X.dn s_cache_srv. Y.priority =	Integer from 0 to 65535	Change	It configures the priority for the target host in SRV record X. Lower priority is more preferred. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.target =	account.X.dn s_cache_srv. Y.target =	Domain name	Change	It configures the domain name of the target host for an A query in SRV record X. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_srv .1.weight =	account.X.dn s_cache_srv. Y.weight =	Integer from 0 to 65535	Change	It configures the weight of the target host in SRV record X.When priorities are equal, weight is	mac.cf g/ comm

					used to differentiate the preference.Higher weight is more preferred.The default value is 0.For more information, refer to Server Redundancy on Yealink IP Phones.	on.cfg
dns	dns_cache_srv .1.ttl =	account.X.dn s_cache_srv. Y.ttl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that SRV record X may be cached before the record should be consulted again. The default value is 300. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_na ptr.1.name =	account.X.dn s_cache_nap tr.Y.name =	Domain name	Change	It configures the domain name to which NAPTR record X refers. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_na ptr.1.flags =	account.X.dn s_cache_nap tr.Y.flags =	S, A, U or P	Change	It configures the flag of NAPTR record X.(Always —s    for SIP, which means to do an SRV lookup on whatever is in the replacement field) S-Do an SRV lookup next. A-Do an A lookup next. U-No need to do a DNS query next. P-Service customized by the user The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cf g/ comm on.cfg
dns	dns_cache_na ptr.1.order =	account.X.dn s_cache_nap tr.Y.order =	Integer from 0 to 65535	Change	It configures the order of NAPTR record X.NAPTR record with lower order is more preferred.The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones	mac.cf g/ comm on.cfg
dns	dns_cache_na ptr.1.preferen ce =	account.X.dn s_cache_nap tr.Y.preferenc	Integer from 0 to 65535	Change	It configures the preference of NAPTR record X. NAPTR record with lower preference is more	mac.cf g/ comm

		e =			preferred. The default value is 0. For more information, refer to Server Redundancy on Yealink IP Phones.	on.cfg
dns	dns_cache_naptr.1.replace =	account.X.dns_cache_naptr.Y.replace =	Domain name	Change	It configures a domain name to be used for the next SRV query in NAPTR record X.The default value is blank.For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_naptr.1.service =	account.X.dns_cache_naptr.Y.service =	String within 32 characters	Change	It configures the transport protocol available for the SIP server in NAPTR record X. The default value is blank. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
dns	dns_cache_naptr.1.ttl =	account.X.dns_cache_naptr.Y.ttl =	Integer from 30 to 2147483647	Change	It configures the time interval (in seconds) that NAPTR record X may be cached before the record should be consulted again. The default value is 300. For more information, refer to Server Redundancy on Yealink IP Phones.	mac.cfg/ common.cfg
voice	voice.rtcp_xr.enable =	none	0 or 1	Add	It enables or disables the IP phone to send RTCP-XR packets. 0-Disabled 1-Enabled The default value is 0.	common.cfg
Feature	custom.features.redial_via_local_sip_server.enable =	none	0 or 1	Add	It configures the IP phone to redial via local SIP server or remote SIP server. 0-Remote SIP Server 1-Local SIP Server The default value is 0.	common.cfg
zero	zero_touch.network_fail_wait_times =	none	Integer greater than 1	Add	It configures the reconnection times when zero touch module fails to obtain network parameters. The default value is 5.	common.cfg
zero	zero_touch.network_fail_del	none	Integer greater than	Add	It configures the duration time	common.cfg

	ay_times =		1000		(in milliseconds) of every reconnection when zero touch module fails to obtain network parameters. The default value is 1000.	
features	features.ldap.input_type =	none	Abc, 2aB, 123, abc or ABC	Add	It configures the input method type when performing an LDAP search. The default value is Abc.	common.cfg
features	features.call_invite_format =	none	0 or 1	Add	It configures the format of callee field in the INVITE message. 0-sip:XXX 1-tel:Number The default value is 0.	common.cfg
features	action_url.show_msgbox =	none		Add		common.cfg
phone_setting	phone_setting.logon_wizard_forever_wait =	none	0 or 1	Add	It enables or disables the IP phone to remain at the hot desking logon wizard even though timeout. 0-Disabled 1-Enabled The default value is 0.	common.cfg
features	features.transfer_type =	none	0 or 1	Add	It enables or disables the IP phone to transfer the call by a special INVITE message. 0-Disabled (Refer message) 1-Enabled (Specially for the Panasonic server)	common.cfg
features	features.caller_name_type_on_dialing =	none	1, 2 or 3	Add	It configures the account information displayed on the top left corner of the LCD screen the when the IP phone is in the pre-dialing or dialing screen. 1-Label 2-Display Name 3-User Name The default value is 3.	common.cfg
phone_setting	phone_setting.unregister_account_block_o	none	0 or 1	Add	It enables or disables the phone to forbid the calling function without an account.	common.cfg



	ut.enable=				0-Disabled 1-Enabled The default value is 0.	
features	gui_input_method.delete =	none	http://localhost/all or http://localhost/name.txt	Add	It deletes all custom input method file for phone user interface.Delete all customized input method files:gui_input_method.delete = http://localhost/all Delete a customized input method file (e.g.,ime.txt) for the phone:gui_input_method.delete = http://192.168.10.25/ime.txt The valid value is: http://localhost/all The default value is blank.	common.cfg
features	features.off_hook_answer.enable =	none	0 or 1	Add	It configures the way of answering an incoming call for the IP phone. 0-Press the corresponding line key after off-hook or pressing the speakerphone key 1-Off-hook or press the speakerphone key The default value is 1.	common.cfg
features	features.play_local_dtmf_tone_enable=	none	0 or 1	Add	It enables or disables the IP phone to play a local DTMF tone. 0-Disabled 1-Enabled The default value is 1.	common.cfg
account	account.X.sip_server.Y.register_on_enable =	account.X.register_enable =	0 or 1	Change	It enables or disables the IP phone to send registration requests to the secondary server for account X when encountering a failover.	mac.cfg
Action		action_url.show_msgbox =	0 or 1	Del		common.cfg
voice		voice.handfree.spk_vol =	8	Del		common.cfg
voice		voice.handfree.tone_vol =	8	Del		common.cfg
voice		voice.hands	8	Del		comm

		et.spk_vol =				on.cfg
voice		voice.hands et.tone_vol =	8	Del		comm on.cfg
voice		voice.headse t.spk_vol =	8	Del		comm on.cfg
voice		voice.headse t.tone_vol =	8	Del		comm on.cfg
voice		voice.ring_v ol=	8	Del		comm on.cfg
voice		voice.group_ spk_vol =	8	Del		comm on.cfg
network	network.atte mpt_expired_ time =		Integer from 1 to 300	Add	It configures the time (in seconds) to wait after a file transfer fails before retrying the transfer for HTTP/HTTPS connection.	comm on.cfg
network	network.dhcp. server_mac1 =		MAC Address	Add	It configures the MAC address 1 that the IP phone use to authenticate the DHCP server. If the authentication is successful, the phone will use the IP address offered by this server. Example: network.dhcp.server_mac1= 64:70:02:9E:D6:92 Note: It has a higher priority than the value defined by the paramter "network.dhcp.server_mac2".	comm on.cfg
network	network.dhcp. server_mac2 =		MAC Address	Add	It configures the MAC address 2 that the IP phone use to authenticate the DHCP server. If the authentication is successful, the phone will use the IP address offered by this server. Example: network.dhcp.server_mac2= 64:70:02:9E:D6:92 Note: If both the MAC address1 and MAC address 2 fail to authenticate, the phone use	comm on.cfg
features	features.input. hebrew_enabl		0 or 1	Add	It enables or disables the phone to display the Hebrew input	comm on.cfg

	e =				method. 0-Disabled 1-Enabled	
features	features.redial _via_local_sip _server.enable =		0 or 1	Add	It configures the IP phone to redial via local SIP server or remote SIP server. 0-Remote SIP Server 1-Local SIP Server	comm on.cfg
action uri	features.actio n_uri_force_a utop =		0 or 1	Add	It enables or disables the IP phone to be forced to end the call for triggering auto provisioning immediately when receiving an HTTP or HTTPS GET request with variable value set to AutoP during a call. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the IP phone will trigger auto provision after the call.	comm on.cfg
features	features.call_o ut_history_by _off_hook.ena ble =		0 or 1	Add	It enables or disables the IP phone to dial out automatically once you go off hook or press the speakerphone key in the call history list. 0-Disabled 1-Enabled	comm on.cfg
blf	features.blf_c all_out_by_nu mber.enable =		0 or 1	Add	It enables or disables the IP phone to dial out the monitored phone number only when you press the BLF key on the idle screen of the phone. 0-Disabled 1-Enabled For example: To use this feature, you need to configure a BLF key with the value set to sip:101@10.3.5.199. If it is set to 0 (Disable), the IP phone will dial out	comm on.cfg
history	features.save_ init_num_to_ history.enable		0 or 1	Add	It enables or disables the IP phone to log the transfer/forward party's phone	comm on.cfg

	=				number in the call history list. 0-Disabled 1-Enabled If it is set to 0 (Disabled), the IP phone will log the transfer-to/forward-to party's phone number in the call history list.	
action uri	features.action_uri.enable =		0 or 1	Add	It enables or disables the IP phone to receive the action URI requests. 0-Disabled 1-Enabled	common.cfg
features	features.headset_play_phone_ringtone.enable =		0 or 1	Add	It enables or disables the phone to play a ring tone through the wireless headset. 0-Disabled 1-Enabled	common.cfg
forward	features.forward.emergency.enable =		0 or 1	Add	It enables or disables the incoming calls from some authorized numbers not to be forwarded when the call forward feature is enabled. 0-Disabled 1-Enabled	common.cfg
forward	features.forward.emergency.authorized_number =		String within 511 characters	Add	It configures the authorized numbers not to be forwarded even if call forward feature is enabled. Multiple numbers are separated by commas. Example: features.forward.emergency.authorized_number = 123,124 Note: It works only if the value of the parameter "	common.cfg
features	features.auto_answer_tone.enable =		0 or 1	Add	It enables or disables the phone to play a warning tone when an incoming call is automatically answered. 0-Disabled 1-Enabled Note: For the call coming from a SIP account, it works only if	common.cfg

					the value of the parameter "account.X.auto_answer" is set to 1 (Enabled). It is also applicable to IP calls.	
features	features.ip_call_auto_answer.enable =		0 or 1	Add	It enables or disables the auto answer feature for IP call. 0-Disabled 1-Enabled If it is set to 1 (Enabled), the IP phone can automatically answer IP call. Note: It works only if the value of the parameter "features.direct_ip_call_enable" is set to 1 (Enabled). The IP phone cannot automatically answer the incoming IP call during a call even if IP call auto answer is enabled.	common.cfg
features	custom.features.dnd_sync.enable =		0 or 1	Add	It enables or disables the DND for Fortinet. 0-Disabled 1-Enabled	common.cfg
features	default_input_method.xml_browser_input_screen =		Abc, 2aB, 123, abc or ABC	Add	It configures the default input method when the type for input box is set to "string" in the InputScreen object.	common.cfg
sip	account.X.callerid_in_support_header.enable =		0 or 1	Add	It enables or disables the support header to carry the callerid attribute. 0-Disabled 1-Enabled	mac.cfg
acd	account.X.acd.auto_login_enable =		0 or 1	Add	It enables or disables the IP phone to automatically log into the ACD system when account registers, phone reboots or network reconnects. 0-Disabled 1-Enabled Note: It works only if the ACD agent successfully logged into the system before and It is only applicable to Genesys ACD feature.	mac.cfg

sip	account.X.outbound_proxy_fallback_interval =		Integer from 0 to 65535	Add	It configures the time interval (in seconds) for the IP phone to detect whether the working outbound proxy server is available by sending the registration request after the fallback server takes over call control.  Note: It is only applicable to outbound proxy servers.	mac.cfg
sip	account.x.transfer_refer_to_contact_header.enable =		0 or 1	Add	It enables or disables the Refer-To header to use the information of the Contact header in the second 200 OK message when attended transfer.  0-Disabled 1-Enabled	mac.cfg
sip	account.x.sub_fail_retry_interval =		Integer from 0 to 3600	Add	It configures the interval (in seconds) for the IP phone to retry to re-subscribe when subscription fails for account X.	mac.cfg
sip	account.X.update_ack_while_dialing =		0 or 1	Add	It enables or disables the IP phone to update the display of call ID in the ACK message of a call.  0-Disabled 1-Enabled	mac.cfg
sip	account.x.end_call_when_transferred.enable =		0 or 1	Add	It enables or disables the call between the transferred party and transfer party to be directly released when call transfer is completed.  0-Disabled 1-Enabled  If it is set to 0 (Disabled) , the call between the transferred party and transfer party is not released until the transfer party ends the call.	mac.cfg
sip	account.x.nat.stun_refresh_timer =		Integer greater than	Add	It configures the interval (in seconds) to refresh the STUN request packet for the account X.	mac.cfg

					<p>If it is set to 0, the IP phone will not refresh the STUN request packet.</p> <p>Note: It works only if the value of the parameter "account.X.nat.nat_traversal" are set to 1 (STUN).</p>	
sip	account.x.contact_take_line_param =		0 or 1	Add	<p>It enables or disables the IP phone to carry the line parameter in the Contact header of the request and response message.</p> <p>0-Disabled 1-Enabled</p>	mac.cfg
action url	action_url.headset =		URL within 511 characters	Add	<p>It configures the action URL the IP phone sends when pressing the HEADSET key.</p> <p>Example: action_url.headset = http://192.168.0.20/help.xml?IP=\$ip</p>	common.cfg
action url	action_url.handfree		URL within 511 characters	Add	<p>It configures the action URL the IP phone sends when pressing the Speakerphone key.</p> <p>Example: action_url.handfree = http://192.168.0.20/help.xml?IP=\$ip</p>	common.cfg
action url	action_url.cancel_callout =		URL within 511 characters	Add	<p>It configures the action URL the IP phone sends when cancels the outgoing call in the ring-back state.</p> <p>Example: action_url.cancel_callout= http://192.168.0.20/help.xml?IP=\$ip</p>	common.cfg
action url	action_url.remote_busy =		URL within 511 characters	Add	<p>It configures the action URL the IP phone sends when the outgoing call is rejected.</p> <p>Example: action_url.remote_busy = http://192.168.0.20/help.xml?IP=\$ip</p>	common.cfg
action url	action_url.call_remote_cancelled =		URL within 511 characters	Add	<p>It configures the action URL the IP phone sends when the remote party cancels the</p>	common.cfg

					outgoing call in the ringing state. Example: action_url.call_remote_cancelled= http://192.168.0.20/help.xml?IP=\$ip	
action url	action_url.call_waiting_on =		URL within 511 characters	Add	It configures the action URL the IP phone sends when call waiting feature is enabled. Example: action_url.call_waiting_on = http://192.168.0.20/help.xml?IP=\$ip	common.cfg
action url	action_url.call_waiting_off =		URL within 511 characters	Add	It configures the action URL the IP phone sends when call waiting feature is disabled. Example: action_url.call_waiting_off = http://192.168.0.20/help.xml?IP=\$ip	common.cfg
sip	sip.terminate_notify_sub_delay_time =		Integer greater than 0	Add	It configures the interval (in seconds) for the IP phone to re-subscribe when it receives the NOTIFY message with the subscription state of Terminated. If it is set to 0, the phone will re-subscribe immediately when it receives the NOTIFY message with the subscription state of Terminated.	common.cfg
sip	sip.tcp_port_random_mode =		0 or 1	Add	It configures the listening port mode. 0-random source port (non 506x), fixed ports (506x) carried in the Contact, Via header. 1-random source port (non 506x) and other ports (non 506x) carried in the Contact, Via header.	common.cfg
sip	sip.bind_local_addr_enable =		0 or 1	Add	It enables or disables the IP phone to bind local address before sending packets.	common.cfg



					0-Disabled 1-Enabled Note: It is only applicable to the IP phone to use IPv6 addr	
sip	sip.user_agent_prefix =			Add		common.cfg
genesys acd	genesys.acd.after_call_work_display.enable =		0 or 1	Add	It enables or disables the status of the ACD agent to be automatically changed to ACW (after call work) after the call. 0-Disabled 1-Enabled Note: ACW status depends on support from a Genesys server. Contact your server administrator for more information. If your server supports this status, make sure the parameter value is set to 1 (Enabled).	common.cfg
vpm	voice.side_tone =		Integer form -100 to 0	Add	It configures the volume of the side tone.	common.cfg
WebItems Level	security.default_access_level =		0, 1 or 2	Add	It configures the default access level to access the phone user interface. 0-user 1-var 2-admin Note: It works only if the value of the parameter "security.var_enable" is set to 1 (Enabled).	common.cfg
autop	auto_provision.attempt_expired_time =		Integer from 1 to 300	Add	It configures the time (in seconds) to wait after a file transfer fails before retrying the transfer via auto provisioning. Note: It has a higher priority than the value defined by the parameter "network.attempt_expired_time".	common.cfg
voice	voice.handfree_send =		Integer from -50 to	Add	It configures the sending volume of the speaker.	common.cfg

			50		Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	
voice	voice.handset_send =		Integer from -50 to 50	Add	It configures the sending volume of the handset. Note: We recommend that you modify this parameter cautiously. An unreasonable value may render the voice quality bad.	common.cfg
voice	voice.headset_send =		Integer from -50 to 50	Add	It configures the sending volume of the headset. Note: We recommend that you modify this parameter cautiously.	common.cfg
account	account.X.backup_outbound_host =		IP address or domain name	Add	Configures the IP address or domain name of the outbound proxy server 2 for account X. Note: It works only if the value of the parameter "account.X.outbound_proxy_enable" is set to 1 (Enabled).	mac.cfg
account	account.X.backup_outbound_port =		Integer from 0 to 65535	Add	Configures the port of the secondary proxy server 2 for account X. Note: It works only if the value of the parameter "account.X.outbound_proxy_enable" is set to 1 (Enabled).	mac.cfg
Action		action_url.show_msgbox =		Del		common.cfg