

# SIP

## SIP Parameters

Max Forward:	<input type="text" value="70"/>	Max Redirection:	<input type="text" value="5"/>
Max Auth:	<input type="text" value="2"/>	SIP User Agent Name:	<input type="text" value="\$VERSION"/>
SIP Server Name:	<input type="text" value="\$VERSION"/>	SIP Reg User Agent Name:	<input type="text"/>
SIP Reg Starting Sequence Number:	<input type="text"/>	SIP Accept Language:	<input type="text"/>
DTMF Relay MIME Type:	<input type="text" value="application/dtmf-relay"/>	Hook Flash MIME Type:	<input type="text" value="application/hook-flash"/>
Remove Last Reg:	<input type="button" value="no"/>	Use Compact Header:	<input type="button" value="no"/>
Escape Display Name:	<input type="button" value="no"/>	RFC 2543 Call Hold:	<input type="button" value="yes"/>
Mark All AVT Packets:	<input type="button" value="yes"/>	AVT Packet Size:	<input type="button" value="ptime"/>
SIP TCP Port Min:	<input type="text" value="5060"/>	SIP TCP Port Max:	<input type="text" value="5080"/>
CTI Enable:	<input type="button" value="no"/>	Keep Referee When REFER Failed:	<input type="button" value="no"/>
Caller ID Header:	<input type="button" value="PAID-RPID-FROM"/>		

## SIP Timer Values (sec)

SIP T1:	<input type="text" value=".5"/>	SIP T2:	<input type="text" value="4"/>
SIP T4:	<input type="text" value="5"/>	SIP Timer B:	<input type="text" value="32"/>
SIP Timer F:	<input type="text" value="16"/>	SIP Timer H:	<input type="text" value="32"/>
SIP Timer D:	<input type="text" value="32"/>	SIP Timer J:	<input type="text" value="32"/>
INVITE Expires:	<input type="text" value="240"/>	RelINVITE Expires:	<input type="text" value="30"/>
Reg Min Expires:	<input type="text" value="1"/>	Reg Max Expires:	<input type="text" value="7200"/>
Reg Retry Intvl:	<input type="text" value="30"/>	Reg Retry Long Intvl:	<input type="text" value="1200"/>
Reg Retry Random Delay:	<input type="text" value="0"/>	Reg Retry Long Random Delay:	<input type="text" value="0"/>
Reg Retry Intvl Cap:	<input type="text" value="0"/>		

## Response Status Code Handling

SIT1 RSC:	<input type="text"/>	SIT2 RSC:	<input type="text"/>
SIT3 RSC:	<input type="text"/>	SIT4 RSC:	<input type="text"/>
Try Backup RSC:	<input type="text"/>	Retry Reg RSC:	<input type="text"/>

## RTP Parameters

RTP Port Min:	<input type="text" value="16384"/>	RTP Port Max:	<input type="text" value="16482"/>
RTP Packet Size:	<input type="text" value="0.030"/>	RTP Tx Packet Size Follows Remote SDP:	<input type="button" value="yes"/>
Max RTP ICMP Err:	<input type="text" value="0"/>	RTCP Tx Interval:	<input type="text" value="0"/>
No UDP Checksum:	<input type="button" value="no"/>	Stats In BYE:	<input type="button" value="yes"/>

## SDP Payload Types

NSE Dynamic Payload:	<input type="text" value="100"/>	AVT Dynamic Payload:	<input type="text" value="101"/>
INFOREQ Dynamic Payload:	<input type="text"/>	G726r32 Dynamic Payload:	<input type="text" value="2"/>
G729b Dynamic Payload:	<input type="text" value="99"/>	EncapRTP Dynamic Payload:	<input type="text" value="112"/>
RTP-Start-Loopback Dynamic Payload:	<input type="text" value="113"/>	RTP-Start-Loopback Codec:	<input type="button" value="G711u"/>
NSE Codec Name:	<input type="text" value="NSE"/>	AVT Codec Name:	<input type="text" value="telephone-event"/>
G711u Codec Name:	<input type="text" value="PCMU"/>	G711a Codec Name:	<input type="text" value="PCMA"/>
G726r32 Codec Name:	<input type="text" value="G726-32"/>	G729a Codec Name:	<input type="text" value="G729a"/>

G729b Codec Name:  EncapRTP Codec Name:

NAT Support Parameters

Handle VIA received:  Handle VIA rport:   
Insert VIA received:  Insert VIA rport:   
Substitute VIA Addr:  Send Resp To Src Port:   
STUN Enable:  STUN Test Enable:   
STUN Server:   
EXT RTP Port Min:   
EXT IP:   
NAT Keep Alive Intvl:   
Redirect Keep Alive:

Linksys Key System Parameters

Linksys Key System:  Multicast Address:   
Key System Auto Discovery:  Key System IP Address:   
Force LAN Codec:  Station Name:

## Provisioning

Configuration Profile

Provision Enable:  Resync On Reset:   
Resync Random Delay:  Resync At (HHmm):   
Resync At Random Delay:  Resync Periodic:   
Resync Error Retry Delay:  Forced Resync Delay:   
Resync From SIP:  Resync After Upgrade Attempt:   
Resync Trigger 1:   
Resync Trigger 2:   
Resync Fails On FNF:   
Profile Rule:   
Profile Rule B:   
Profile Rule C:   
Profile Rule D:   
DHCP Option To Use:  Transport Protocol:   
Log Resync Request Msg:   
Log Resync Success Msg:   
Log Resync Failure Msg:   
Report Rule:

Firmware Upgrade

Upgrade Enable:   
Upgrade Error Retry Delay:  Downgrade Rev Limit:   
Upgrade Rule:   
Log Upgrade Request Msg:   
Log Upgrade Success Msg:

Log Upgrade Failure Msg: \$PN \$MAC -- Upgrade failed: \$ERR

License Keys:

CA Settings Custom CA URL:

General Purpose Parameters

GPP A:

GPP B:

GPP C:

GPP D:

GPP E:

GPP F:

GPP G:

GPP H:

GPP I:

GPP J:

GPP K:

GPP L:

GPP M:

GPP N:

GPP O:

GPP P:

## Regional

Call Progress Tones

Dial Tone: 400@-16,425@-16,450@-16;10(\*0/1+2+3)

Second Dial Tone: 420@-19,520@-19;10(\*0/1+2)

Outside Dial Tone: 420@-16;10(\*0/1)

Prompt Tone: 520@-19,620@-19;10(\*0/1+2)

Busy Tone: 425@-16;10(.375/.375/1)

Reorder Tone: 480@-19,620@-19;10(.25/.25/1+2)

Off Hook Warning Tone: 480@-10,620@0;10(.125/.125/1+2)

Ring Back Tone: 440@-19,480@-19;\*(2/4/1+2)

Ring Back 2 Tone: 440@-19,480@-19;\*(1/1/1+2)

Confirm Tone: 600@-16;1(.25/.25/1)

SIT1 Tone: 985@-16,1428@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3,0/4/0)

SIT2 Tone: 914@-16,1371@-16,1777@-16;20(.274/0/1,.274/0/2,.380/0/3,0/4/0)

SIT3 Tone: 914@-16,1371@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3,0/4/0)

SIT4 Tone: 985@-16,1371@-16,1777@-16;20(.380/0/1,.274/0/2,.380/0/3,0/4/0)

MWI Dial Tone: 350@-19,440@-19;2(.1/1/1+2);10(\*0/1+2)

Cfwd Dial Tone:	350@-19,440@-19;2(.2/.2/1+2);10(*0/1+2)
Holding Tone:	600@-19;*(.1/.1/1,.1/.1/1,.1/9.5/1)
Conference Tone:	350@-19;20(.1/.1/1,.1/9.7/1)
Secure Call Indication Tone:	397@-19,507@-19;15(0/2/0,.2/.1/1,.1/2.1/2)
Feature Invocation Tone:	350@-16;*(.1/.1/1)
Call Remind Tone:	

Distinctive Ring Patterns	
Ring1 Cadence:	60(.4/.2,.4/2)
Ring3 Cadence:	60(.4/.2,.4/2,.8/4)
Ring5 Cadence:	1(.5/5)
Ring7 Cadence:	60(.4/.2,.4/2,.4/4)
Ring2 Cadence:	60(.3/.2,1/.2,.3/4)
Ring4 Cadence:	60(.3/.2,1/.2,.3/4)
Ring6 Cadence:	60(.2/.4,.2/4,.2/4)
Ring8 Cadence:	60(0.25/9.75)

Distinctive Call Waiting Tone Patterns	
CWT1 Cadence:	*(.3/9.7)
CWT3 Cadence:	30(.1/.1,.1/1,.1/9.7)
CWT5 Cadence:	1(.5/5)
CWT7 Cadence:	30(.3/.1,.3/1,.1/9.1)
CWT2 Cadence:	30(.1/.1,.1/9.7)
CWT4 Cadence:	30(.1/.1,.3/1,.1/9.3)
CWT6 Cadence:	30(.1/.1,.3/2,.3/9.1)
CWT8 Cadence:	2.3(.3/2)

Distinctive Ring/CWT Pattern Names	
Ring1 Name:	Bellcore-r1
Ring3 Name:	Bellcore-r3
Ring5 Name:	Bellcore-r5
Ring7 Name:	Bellcore-r7
Ring2 Name:	Bellcore-r2
Ring4 Name:	Bellcore-r4
Ring6 Name:	Bellcore-r6
Ring8 Name:	Bellcore-r8

Ring and Call Waiting Tone Spec	
Ring Waveform:	Trapezoid
Ring Voltage:	85
Synchronized Ring:	no
Ring Frequency:	20
CWT Frequency:	440@-10

Control Timer Values (sec)	
Hook Flash Timer Min:	.1
Hook Flash Timer Max:	.9
Callee On Hook Delay:	0
Reorder Delay:	5
Call Back Expires:	1800
Call Back Retry Intvl:	30
Call Back Delay:	.5
VMWI Refresh Intvl:	0
Interdigit Long Timer:	10
Interdigit Short Timer:	3
CPC Delay:	2
CPC Duration:	.5

Vertical Service Activation Codes	
Call Return Code:	*69
Call Redial Code:	*07
Blind Transfer Code:	*98
Call Back Act Code:	*66
Call Back Deact Code:	*86
Call Back Busy Act Code:	*05
Cfwd All Act Code:	*72
Cfwd All Deact Code:	*73
Cfwd Busy Act Code:	*90
Cfwd Busy Deact Code:	*91
Cfwd No Ans Act Code:	*92
Cfwd No Ans Deact Code:	*93
Cfwd Last Act Code:	*63
Cfwd Last Deact Code:	*83

Block Last Act Code: \*60

Accept Last Act Code: \*64

CW Act Code: \*56

CW Per Call Act Code: \*71

Block CID Act Code: \*67

Block CID Per Call Act Code: \*81

Block ANC Act Code: \*77

DND Act Code: \*78

CID Act Code: \*65

CWCID Act Code: \*25

Dist Ring Act Code: \*26

Speed Dial Act Code: \*74

Secure All Call Act Code: \*16

Secure One Call Act Code: \*18

Conference Act Code:

Modem Line Toggle Code: \*99

Media Loopback Code: \*03

Referral Services Codes:

Feature Dial Services Codes:

Block Last Deact Code: \*80

Accept Last Deact Code: \*84

CW Deact Code: \*57

CW Per Call Deact Code: \*70

Block CID Deact Code: \*68

Block CID Per Call Deact Code: \*82

Block ANC Deact Code: \*87

DND Deact Code: \*79

CID Deact Code: \*85

CWCID Deact Code: \*45

Dist Ring Deact Code: \*46

Paging Code: \*96

Secure No Call Act Code: \*17

Secure One Call Deact Code: \*19

Attn-Xfer Act Code:

FAX Line Toggle Code: #99

Vertical Service Announcement Codes

Service Annc Base Number:

Service Annc Extension Codes:

Outbound Call Codec Selection Codes

Prefer G711u Code: *017110	Force G711u Code: *027110
Prefer G711a Code: *017111	Force G711a Code: *027111
Prefer G726r32 Code: *0172632	Force G726r32 Code: *0272632
Prefer G729a Code: *01729	Force G729a Code: *02729

Miscellaneous

FXS Port Impedance: 220+820  115nF	FXS Port Input Gain: -3
FXS Port Output Gain: -3	DTMF Playback Level: -16
DTMF Twist: 2	DTMF Playback Length: .1
Detect ABCD: yes	Playback ABCD: yes
Caller ID Method: Bellcore(N.Amer,China)	FXS Port Power Limit: 3
Caller ID FSK Standard: bell 202	Feature Invocation Method: Default

## Line 1

General

Line Enable: yes

Streaming Audio Server (SAS)

SAS Enable:  no

SAS Inbound RTP Sink:

SAS DLG Refresh Intvl:

NAT Settings

NAT Mapping Enable:  no

NAT Keep Alive Msg:

NAT Keep Alive Enable:  no

NAT Keep Alive Dest:

Network Settings

SIP ToS/DiffServ Value:

RTP ToS/DiffServ Value:

Network Jitter Level:

SIP CoS Value:  [0-7]

RTP CoS Value:  [0-7]

Jitter Buffer Adjustment:

SIP Settings

SIP Transport:

SIP 100REL Enable:  no

Auth Resync-Reboot:  yes

SIP Remote-Party-ID:  yes

SIP Debug Option:

Restrict Source IP:  no

Refer Target Bye Delay:

Refer-To Target Contact:  no

Auth INVITE:  no

Use Anonymous With RPID:  yes

SIP Port:

EXT SIP Port:

SIP Proxy-Require:

SIP GUID:  no

RTP Log Intvl:

Referor Bye Delay:

Referee Bye Delay:

Sticky 183:  no

Reply 182 On Call Waiting:  no

Use Local Addr In FROM:  no

Call Feature Settings

Blind Attn-Xfer Enable:  no

Xfer When Hangup Conf:  yes

Conference Bridge Ports:

Emergency Number:

Feature Key Sync:  no

MOH Server:

Conference Bridge URL:

Enable IP Dialing:  no

Mailbox ID:

Proxy and Registration

Proxy:

Outbound Proxy:

Use Outbound Proxy:  yes

Register:  no

Register Expires:

Use DNS SRV:  no

Proxy Fallback Intvl:

Mailbox Subscribe URL:

Auto Register When Failover:  no

Use OB Proxy In Dialog:  yes

Make Call Without Reg:  yes

Ans Call Without Reg:  no

DNS SRV Auto Prefix:  no

Proxy Redundancy Method:

Mailbox Subscribe Expires:

Subscriber Information

Display Name:

Password:

User ID:

Use Auth ID:  no

Auth ID:   
SIP URI:

Resident Online Number:

Supplementary Service Subscription

Call Waiting Serv:	no	Block CID Serv:	no
Block ANC Serv:	no	Dist Ring Serv:	no
Cfwd All Serv:	no	Cfwd Busy Serv:	no
Cfwd No Ans Serv:	no	Cfwd Sel Serv:	no
Cfwd Last Serv:	no	Block Last Serv:	no
Accept Last Serv:	no	DND Serv:	no
CID Serv:	no	CWCID Serv:	no
Call Return Serv:	no	Call Redial Serv:	no
Call Back Serv:	no	Three Way Call Serv:	no
Three Way Conf Serv:	no	Attn Transfer Serv:	no
Unattn Transfer Serv:	no	MWI Serv:	no
VMWI Serv:	no	Speed Dial Serv:	no
Secure Call Serv:	no	Referral Serv:	no
Feature Dial Serv:	no	Service Announcement Serv:	no
Reuse CID Number As Name:	no	CONFCID Serv:	no

Audio Configuration

Preferred Codec:	G711u	Second Preferred Codec:	Unspecified
Third Preferred Codec:	Unspecified	Use Pref Codec Only:	yes
Use Remote Pref Codec:	no	Codec Negotiation:	Default
G729a Enable:	no	Silence Supp Enable:	no
G726-32 Enable:	yes	Silence Threshold:	high
FAX V21 Detect Enable:	no	Echo Canc Enable:	no
FAX CNG Detect Enable:	no	FAX Passthru Codec:	G711u
FAX Codec Symmetric:	yes	DTMF Process INFO:	yes
FAX Passthru Method:	NSE	DTMF Process AVT:	yes
FAX Process NSE:	yes	DTMF Tx Method:	Auto
FAX Disable ECAN:	no	DTMF Tx Mode:	Normal
DTMF Tx Strict Hold Off Time:	70	FAX Enable T38:	no
Hook Flash Tx Method:	None	FAX T38 Redundancy:	1
FAX T38 ECM Enable:	yes	FAX Tone Detect Mode:	caller or callee
Symmetric RTP:	no	FAX T38 Return to Voice:	no
Modem Line:	yes	RTP to Proxy in Remote Hold:	no

Dial Plan

Dial Plan:

FXS Port Polarity Configuration

Idle Polarity:	Forward	Caller Conn Polarity:	Forward
Callee Conn Polarity:	Forward		