

# TR-069 Configuration and Support Instructions

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#### 1 Overview

#### 1.1 Introduction to TR-069

TR-069 is one of the technical specifications developed by the DSL Forum. It is short for Customer Premise Equipment (CPE) WAN Management Protocol. The TR-069 protocol establishes a framework for an automatic configuration server (ACS) to implement secure and automatic CPE configuration management. Figure 2-1 shows the TR-069 design diagram.

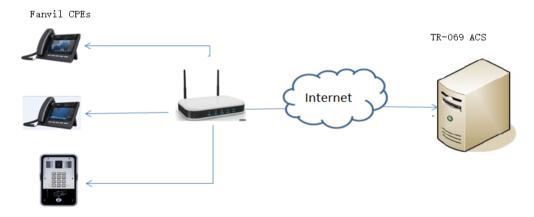


Figure 2-1 TR-069 design diagram

TR-069 is an application layer protocol with wide applicability and no access restrictions. TR-069 allows users to manage universal devices regardless of their types and manufacturers, ensuring remote and centralized device management in an easy and secure manner over the network.

## **1.2** Applicable Scope

This document applies to Fanvil access control devices and phones.

# **2** Configuration on the Phone

By default, TR-069 is disabled on the phone. You can log in to the phone webpage for configuration. The following describes how to configure TR-069 on the phone X6 as an example.

- ➤ Log in to the phone webpage as an administrator.
- > Choose **System** > **Auto Provision** > **TR069**.
- ➤ In the **TR069** pane, set parameters, as shown in Figure 3-1.

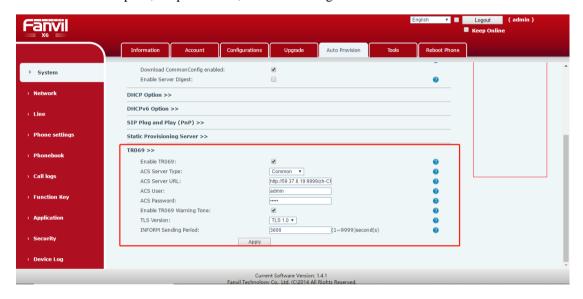


Figure 3-1

#### Parameter description:

Parameter	Description
Enable TR069	Select this option.
ACS Server Type	Select Common.
ACS Server URL	http://192.144.136.170:80/zh-CN/Acs/Index
ACS User	FDMS login user name, for example, holly.yao.
ACS Password	Encrypted FDMS login password (Note: The encrypted password
ACS Fassword	is available in <b>Quick Configuration</b> on the FDMS home page.)
STUN Server URL	192.144.136.170
Enable STUN	Select this option.

Click **Apply** for the settings to take effect.

# **3** RPC Methods Supported by Phones

Remote procedure call (RPC) methods are used for two-way communication between the CPE and the ACS. The ACS configures and monitors CPE parameters by using RPC methods to obtain or set parameters. The following table describes the RPC methods supported by Fanvil IP phones.

RPC Method	Description
GetRPCMethods	Supports all functions supported by the ACS query phone.
SetParameterValues	Modifies some device (CPE) configuration items and parameters remotely on the management server (ACS).
GetParameterValues	Reads some device (CPE) configuration items and parameters remotely on the management server (ACS).
GetParameterNames	Obtains accessible device (CPE) parameters on the management server (ACS).
GetParameterAttributes	Obtains one or more device (CPE) parameter attributes on the management server (ACS).
SetParameterAttributes	Sets one or more device (CPE) parameter attributes on the management server (ACS).
Download	Upgrades the device (CPE) firmware or configuration file remotely on the management server (ACS).
FactoryReset	Restores default device (CPE) settings remotely on the management server (ACS).
Reboot	Restarts the device (CPE) remotely on the management server (ACS).

The ACS supports the following functions to centrally manage a series of IP devices by using the preceding RPC methods:

- Automatic configuration and dynamic services

  TR-069 allows you to configure the CPE on the ACS at any time after the CPE is online or when the CPE is online for the first time, for example, by using the set method in CPE functions.
- Software and hardware image management

TR-069 defines the mechanisms for software and hardware version number authentication, download triggering (both the CPE and ACS can initiate downloads), and download failure notification.

Status and performance monitoring
 TR-069 defines a mechanism that allows CPEs to notify its status to the ACS dynamically.

## 4 Supporting TR-111

TR-111 belongs to the TR-069 protocol family and is an functional extension of TR-069. The TR-111 standard defines two extended CMWP (TR-069 defined) mechanisms that enhance remote management of devices connected over a LAN by using an Internet gateway.

The two mechanisms are as follows:

- Device and gateway association: Allows the ACS to identify the gateway to which the device is connected.
- Connection request through the NAT gateway: Allows the ACS to initiate a TR-069 session by using the device connected to the NAT gateway.

# **4.1** Device and Gateway Association

Because the CPE is not directly displayed on the Internet, it is not possible to contact the CPE directly. This mechanism is used to connect the CPE to the gateway to which the CPE is connected. By using the information sent from the CPE, the ACS can identity the gateway and establish a session with the gateway. The gateway connection must comply with the TR-111 specification.

## **4.2** Connection Request Through the NAT Gateway

When the CPE is located behind the NAT gateway and is assigned a private address, the CPE must be NAT-bound with the ACS through the NAT gateway. Then the ACS can initiate a session with the CPE. To complete the communication, the ACS must be associated with a STUN server for a new UDP-based connection request mechanism.

#### **5** Parameter Models

Two suites of data models are available because the network architecture supports two device types:

- > Internet gateway devices
- > Common LAN devices under the gateway

The TR-069 protocol defines data models for Internet gateway devices.

- Parameter names: organized in a hierarchical structure similar to a tree. The trunk is objects to be configured, and the leaves are parameters to be configured. All parameters have read/write attributes.
- Parameter types: SOAP-based data types

The following table lists the main parameter models supported by Fanvil IP devices.

#### Device information:

Node Name	Type	Description
InternetGatewayDevice .DeviceInfo.	Object	Device information
InternetGatewayDevice.DeviceInfo.Manufacturer	String	Device manufacturer
InternetGatewayDevice.DeviceInfo.ManufacturerOUI	String	Device manufacturer ID
InternetGatewayDevice.DeviceInfo.ModelName	String	Product model
InternetGatewayDevice.DeviceInfo.Description	String	Product description
InternetGatewayDevice.DeviceInfo.ProductClass	String	Product series
InternetGatewayDevice.DeviceInfo.SerialNumber	String	Product serial number
InternetGatewayDevice.DeviceInfo.SoftwareVersion	String	Product software version
InternetGatewayDevice.DeviceInfo.HardwareVersion	String	Product hardware version
InternetGatewayDevice.DeviceInfo.SpecVersion	String	Specified device version,
		which must be 1.0.
InternetGatewayDevice.DeviceInfo.ProvisioningCode	String	Device deployment code
InternetGatewayDevice.DeviceInfo.UpTime	String	Device startup time
InternetGatewayDevice.DeviceInfo.DeviceLog	String	Device log
InternetGatewayDevice.DeviceInfo.VendorConfigFile.{	Object	Product configuration file
i}.		information
InternetGatewayDevice.DeviceInfo.VendorConfigFile.{	String	Product configuration file
i}.Name		name
InternetGatewayDevice.DeviceInfo.VendorConfigFile.{	String	Version number of the
i}.Version		product configuration file
InternetGatewayDevice.DeviceInfo.VendorConfigFile.{	String	Generation date of the
i}.Date		product configuration file

InternetGatewayDevice.DeviceInfo.VendorConfigFile.{	String	Product configuration file
i}.Description		description

#### TR-069 information

Node Name	Type	Description
InternetGatewayDevice.ManagementServer.	Object	TR-069 information
InternetGatewayDevice.ManagementServer.URL	String	TR-069 server
		(ACS) URL
InternetGatewayDevice.ManagementServer.Username	String	TR-069 server
		(ACS) user name
InternetGatewayDevice.ManagementServer.Password	String	TR-069 server
		(ACS) password
InternetGatewayDevice.ManagementServer.PeriodicInformEna	String	The CPE
ble		periodically sends
		information to the
		server or not.
InternetGatewayDevice.ManagementServer.PeriodicInformInter	String	CPE information
val		sending period
InternetGatewayDevice.ManagementServer.PeriodicInformTim	String	Time when the CPE
e		sends information to
		the server
InternetGatewayDevice.ManagementServer.ParameterKey	String	
InternetGatewayDevice.ManagementServer.ConnectionRequest	String	CPE URL address
URL		
InternetGatewayDevice.ManagementServer.ConnectionRequest	String	Authentication user
Username		name for the ACS
		connecting to the
		СРЕ
InternetGatewayDevice.ManagementServer.ConnectionRequest	String	Authentication
Password		password for the
		ACS connecting to
		the CPE
InternetGatewayDevice.ManagementServer.UDPConnectionRe	String	Public network IP
questAddress		address and port for
		the ACS connecting
		to the CPE
InternetGatewayDevice.ManagementServer.UDPConnectionRe	String	Notification within

questAddressNotificationLimit		the time limit when
		the Internet IP
		address and port
		corresponding to
		UDP are changed
InternetGatewayDevice.ManagementServer.STUNEnable	String	Enable STUN or
		not.
InternetGatewayDevice.ManagementServer.STUNServerAddres	String	STUN server
s		address
InternetGatewayDevice.ManagementServer.STUNServerPort	String	STUN server port
InternetGatewayDevice.ManagementServer.STUNUsername	String	STUN server user
		name
InternetGatewayDevice.ManagementServer.STUNPassword	String	STUN server
		password
InternetGatewayDevice.ManagementServer.STUNMaximumKe	String	Maximum
epAlivePeriod		connection period of
		the STUN server
InternetGatewayDevice.ManagementServer.STUNMinimumKe	String	Minimum
epAlivePeriod		connection period of
		the STUN server
InternetGatewayDevice.ManagementServer.NATDetected	String	Check for address
		and port mapping
		after you enable
		STUN.
InternetGatewayDevice.ManagementServer.KickURL	String	
InternetGatewayDevice.ManagementServer.UpgradesManaged	String	The ACS manages
		CPE upgrade or not.

## SNTP

Node Name	Type	Description
InternetGatewayDevice.Time.	object	Simple Network Time
		Protocol (SNTP)
		configuration on the
		product
InternetGatewayDevice.Time.Enable	Boolean	Enable SNTP or not.
InternetGatewayDevice.Time.NTPServer1	string	SNTP server address
InternetGatewayDevice.Time.NTPServer2	string	Second SNTP server

		address
InternetGatewayDevice.Time.CurrentLocalTime	dateTime	Current local time
InternetGatewayDevice.Time.LocalTimeZone	String	Current time zone
InternetGatewayDevice.Time.LocalTimeZoneName	String	Current time zone name

# Device configuration in route/bridge mode

Node Name	Type	Description
InternetGatewayDevice.Layer3Forwarding.	Objec	Configuration
	t	of the packet
		forwarding
		device in
		routing mode
		(configuration
		in routing and
		bridge modes)
Internet Gateway Device. Layer 3 Forwarding. Forward Number Of Entries	Unsig	Number of
	ned	routing and
		bridging
		instances
		(There are
		several packet
		forwarding
		devices,
		typically,
		one.)
$Internet Gateway Device. Layer 3 Forwarding. Forwarding. \{i\}.$	object	TCP/IP
		layer-3
		forwarding
		table of the
		device
Internet Gateway Device. Layer 3 Forwarding. Forwarding. 1. Enable	string	Enable the
		forwarding
		directory or
		not (disabled
		by default).
InternetGatewayDevice.Layer3Forwarding.Forwarding.1.Status	string	Forwarding
		device status

Intermedia - 1 Toma	_4	F1!
InternetGatewayDevice.Layer3Forwarding.Forwarding.1.Type	string	Forwarding
		type
		(Disabled,
		<b>Enabled</b> , or
		Error)
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.DestIPAdd	string	Forwarding
ress		destination
		address
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.DestSubne	string	Subnet mask
tMask		of the
		destination
		address
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.SourceIPA	string	Source
ddress		address
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.SourceSub	string	Subnet mask
netMask		of the source
		address
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.GatewayIP	string	Gateway IP
Address		address
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.Interface	string	Network
		interface
InternetGatewayDevice.Layer3Forwarding.Forwarding.{i}.Forwardin	string	Forwarding
gMetric		metric (If the
		value is -1, the
		metric system
		is not used.)

# Device information on the WAN port

Node Name	Type	Description
InternetGatewayDevice.WANDevice.{i}.	Object	Device information on the WAN port
InternetGatewayDevice.WANDevice.{i}.WANConnectionNumber OfEntries	unsignedI nt	
InternetGatewayDevice.WANDevice.{i}.WANCommonInterfaceConfig.	Object	WAN port network

		configuration
$Internet Gateway Device. WAN Device. \{i\}. WAN Common Interface Co$	boolean	Enable the
nfig.EnabledForInternet		WAN port
		connecting to
		the external
		network
		(always
		enabled).
$Internet Gateway Device. WANDevice. \{i\}. WANCommon Interface Co$	string	WAN access
nfig.WANAccessType		type (DSL)
$Internet Gateway Device. WANDevice. \{i\}. WANCommon Interface Co$	unsignedI	Maximum bit
nfig.Layer1UpstreamMaxBitRate	nt	rate for
		network
		upload
		(theoretical
		value)
$Internet Gateway Device. WAN Device. \{i\}. WAN Common Interface Co$	unsignedI	Maximum bit
nfig.Layer1DownstreamMaxBitRate	nt	rate for
		network
		download
		(theoretical
		value)
$Internet Gateway Device. WAN Device. \{i\}. WAN Common Interface Co$	string	Physical
nfig.PhysicalLinkStatus		network
		connection
		status
		(network
		cable
		connected or
		not)
InternetGatewayDevice.WANDevice.{i}.WANCommonInterfaceCo	unsignedI	Total number
nfig.TotalBytesSent	nt	of bytes sent
		by the CPE to
		the ACS
InternetGatewayDevice.WANDevice.{i}.WANCommonInterfaceCo	unsignedI	Total number
nfig.TotalBytesReceived	nt	of bytes
		received by

		the CPE from the ACS
$Internet Gateway Device. WANDevice. \{i\}. WANCommon Interface Config. Total Packets Sent$	unsignedI nt	Total number of packets sent by the CPE to the ACS
$Internet Gateway Device. WANDevice. \{i\}. WANCommon Interface Config. Total Packets Received$	unsignedI nt	Total number of packets received by the CPE from the ACS
InternetGatewayDevice.WANDevice.{i}.WANCommonInterfaceConfig.MaximumActiveConnections	unsignedI nt	
$Internet Gateway Device. WANDevice. \{i\}. WANCommon Interface Config. Number Of Active Connections$	unsignedI nt	
$Internet Gateway Device. WANDevice. \{i\}. WANConnection Device. \{i\}. WANIP Connection. \{i\}.$	Object	
$Internet Gateway Device. WANDevice. \{i\}. WANConnection Device. \{i\}. WANIP Connection. \{i\}. Enable$	Boolean	Enable or disable connection instances.
$Internet Gateway Device. WANDevice. \{i\}. WANConnection Device. \{i\}. WANIP Connection. \{i\}. Possible Connection Types$	String	
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i}}.WANIPConnection.{i}.Name	String	Readable user name for the connection
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i}}.WANIPConnection.{i}.NATEnabled	Boolean	
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i}}.WANIPConnection.{i}.AddressingType	String	Method for allocating an address to a WAN port of the CPE for the connection

InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i	String	External IP
3. WANIPConnection. (i). External IPAddress	Sums	address that
J. WITH Connection [1]. Datemain Address		NAT uses for
		the
		connection.
		This .
		parameter is
		available only
		when
		AddressingT
		ype is Static.
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i	String	Subnet mask
$\}. WANIP Connection. \{i\}. Subnet Mask$		of the WAN
		interface.
		This
		parameter is
		available only
		when
		AddressingT
		Addressing
		ype is Static.
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i	String	
InternetGatewayDevice.WANDevice.{i}.WANConnectionDevice.{i}.WANIPConnection.{i}.DefaultGateway	String	ype is Static.
	String	ype is Static.  IP address of
	String	ype is Static.  IP address of the default
	String	ype is Static.  IP address of the default gateway for
	String	ype is Static.  IP address of the default gateway for the
	String	ype is Static.  IP address of the default gateway for the connection.
	String	ype is Static.  IP address of the default gateway for the connection. This
	String	ype is Static.  IP address of the default gateway for the connection. This parameter is
	String	ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when
	String	ype is Static.  IP address of the default gateway for the connection.  This parameter is available only
}.WANIPConnection.{i}.DefaultGateway	String	ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT
lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.  A
}.WANIPConnection.{i}.DefaultGateway		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.
lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.  A comma-separ ated list of
lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.  A comma-separ ated list of DNS server
lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.  A comma-separ ated list of DNS server IP addresses
lem:lem:lem:lem:lem:lem:lem:lem:lem:lem:		ype is Static.  IP address of the default gateway for the connection.  This parameter is available only when AddressingT ype is Static.  A comma-separ ated list of DNS server

#### **GUI** information

Node Name	Type	Description
InternetGatewayDevice.UserInterface.	Object	GUI information
InternetGatewayDevice.UserInterface.UpgradeAvailable	String	The CPE can be upgraded
		or not.
InternetGatewayDevice.UserInterface.CurrentLanguage	String	Current GUI language

#### VoIP information

Node Name	Type	Description
InternetGatewayDevice.Services.VoiceService.{i}.	object	VoIP
		information
InternetGatewayDevice.Services.VoiceService.{i}.VoiceServiceNum	unsigned	Number of
berOfEntries	Int	VoIP
		instances,
		that is, 1
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile Numb$	unsigned	Number of
erOfEntries	Int	VoiceProfile
		instances
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.	object	Overall
		functions of
		the product
		VoIP
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.MaxP	string	Number of
rofileCount		profiles on
		the voice
		server, for
		example, sip
		h.323
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.MaxL	string	Maximum
ineCount		number of
		lines
		supported on
		the voice
		server
		(several SIP
		lines)

T		3.6
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.MaxS	string	Maximum
essionCount		number of
		sessions
		supported on
		the voice
		server
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Signal	string	Supported
ingProtocols		VoIP
		protocols
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.FaxT3	boolean	T38 fax
8		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.FaxPa	boolean	Fax
ssThrough		transmission
		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Mode	boolean	Modem
mPassThrough		penetration
		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Tone	boolean	Tones
Generation		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.RingG	boolean	Ringtones
eneration		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Voice	boolean	Remote line
LineTests		testing
22.0		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities. SIP.	object	Specific SIP
inclinetoute way Device. Set vices. voices et vice. [1]. Capaonities. Sit.	object	functions
Internat Cataway Daviga Sarvigas Voice Sarviga (i) Canakilitica SIDD	string	VoIP CPE
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.R	string	role
Ole Internat Cataway Daviga Sarvigas Vaiga Sarviga (i) Canabilities SIDE	atrina	
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.E	string	SIP
xtensions		extension
		method
		name, which

		must be
		capitalized
		capitanzed
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.Tr	string	SIP-supporte
ansports	String	d transport
alisports		•
The second of th	. •	protocol
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.U	string	URL support
RISchemes		scheme
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.E	boolean	Subscription
ventSubscription		of SIP
		events
		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.R	boolean	Mapping of
esponseMap		SIP response
		tables
		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.T	string	TLS
LSAuthenticationProtocols		supported
		encryption
		mode
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.T	string	TLS
LSAuthenticationKeySize		authenticatio
		n key size
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.SIP.T	string	TLS key
LSEncryptionProtocols	_	exchange
		algorithm
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.H323.	object	VoIP
		protocol, the
		same as SIP
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.H323.	boolean	H323 fast
FastStart		startup
		supported or
		not
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.H323.	string	H323
H235AuthenticationMethods	8	authenticatio
		n method
		ii iiicuiou

InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Codec	object	A table is
	Object	
S		used to
		describe a
		set of
		supported
		codecs. Each
		entry refers
		to a different
		combination
		of codecs
		and bitrates.
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Codec	unsigned	Identifier of
s.{i}.EntryId	Int	each entry in
		the table
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Codec	string	Codec
s.{i}.Codec		
InternetGatewayDevice.Services.VoiceService.{i}.Capabilities.Codec	unsigned	Bit rate, in
s.{i}.BitRate	Int	bits per
		second. The
		value must
		be
		appropriate
		for the
		specified
		codec.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.	object	
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.R	boolean	Reset this
eset		line or not.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.N	unsigned	Number of
umberOfLines	Int	lines in
		VoiceProfile
		(Each
		VoiceProfile
		corresponds
		to one SIP
		line.)
		nne.)

$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. N$	string	Line ID
ame		
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Si$	string	Line
gnalingProtocol		signaling
		type, for
		example,
		SIP
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. M$	unsigned	Maximum
axSessions	Int	number of
		sessions
		supported on
		the voice
		server
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. D$	string	Obtain the
TMFMethod		DTMF type
		of the line.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Services and the profile of the pr$	boolean	Enable
TUNEnable		STUN or
		not.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Service S$	string	STUN
TUNServer		server
		address and
		domain
		name
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. R$	object	The voices
TP.		associated
		with voice
		configuratio
		n file
		parameters
		are sent in
		the RTP
		stream.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. R$	unsigned	Minimum
TP.LocalPortMin	Int	value of the
		RTP port,
		that is,
		initialization

		value
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.R	unsigned	Maximum
TP.LocalPortMax	Int	value of the
		RTP port
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.R	string	DSCP mark
TP.DSCPMark		(differential
		service code
		point, set to
		"-" by
		default)
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.R	string	Payload type
TP.TelephoneEventPayloadType		for RTP
		phone events
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	object	Product SIP
ne.{i}.		line
		configuratio
		n
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable SIP
ne.{i}.Enable		registration.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	string	SIP
ne.{i}.DirectoryNumber		registration
		number
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	SIP
ne.{i}.Status		registration
		status
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	Line call
ne.{i}.CallState		status
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	Incoming
ne.{i}.RingMuteStatus		call muted or
		not
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	string	Incoming
ne.{i}.RingVolumeStatus		call volume
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	object	Line
ne.{i}.SIP.		registration
		information

		1
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Line. \{i\}. SIP. Auth User Name$	string	Line registration
		user name
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	Line
ne.{i}.SIP.AuthPassword		registration
		password
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	object	Call settings
ne.{i}.CallingFeatures.		
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable call
ne.{i}.CallingFeatures.CallWaitingEnable		waiting or
		not.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	boolean	Enable call
ne.{i}.CallingFeatures.CallForwardUnconditionalEnable		forwarding.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	Uncondition
ne.{i}.CallingFeatures.CallForwardUnconditionalNumber		al call
		forwarding
		number
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	boolean	Enable busy
ne.{i}.CallingFeatures.CallForwardOnBusyEnable		calls.
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	string	Busy call
ne.{i}.CallingFeatures.CallForwardOnBusyNumber		forwarding
		number
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. Li$	boolean	Enable
ne.{i}.CallingFeatures.CallForwardOnNoAnswerEnabl		unanswered
		call
		forwarding.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	Unanswered
ne.{i}.CallingFeatures.CallForwardOnNoAnswerNumber		call
		forwarding
		number
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable call
ne.{i}.CallingFeatures.CallTransferEnable		forwarding.

ne.{i}.CallingFeatures.MWIEnable  message waiting mechanism or not.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li string messages read or not.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean ne.{i}.CallingFeatures.AnonymousCalEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean ne.{i}.CallingFeatures.DoNotDisturbEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy configuration n.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server protocol used in SIP communication. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address			
waiting mechanism or not.	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable the
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li string ne.{i}.CallingFeatures.MessageWaiting	ne.{i}.CallingFeatures.MWIEnable		message
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li string ne.{i}.CallingFeatures.MessageWaiting string ne.{i}.CallingFeatures.MessageWaiting stread or not.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean e.{i}.CallingFeatures.AnonymousCalEnable solution or calls.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean e.{i}.CallingFeatures.DoNotDisturbEnable solution or calls.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI object p. SIP proxy configuration or solution or solut			waiting
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li messages read or not.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean e.{i}.CallingFeatures.AnonymousCalEnable boolean ne.{i}.CallingFeatures.AnonymousCalEnable boolean ne.{i}.CallingFeatures.DoNotDisturbEnable boolean ne.{i}.CallingFeatures.DoNotDisturbEnable boolean ne.{i}.CallingFeatures.DoNotDisturbEnable boolean ne.{i}.CallingFeatures.DoNotDisturbEnable boolean ne.{i}.CallingFeatures.DoNotDisturbEnable bonD.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy configuration ne. for proxy server proxyServer lip. address boolean ne. for proxy server proxyServer lip. address linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server port linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server port linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server port protocol. Transport protocol used in SIP communication. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server port linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server linternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server linternetGatewayDevice.Services.VoiceService.{i}.V			mechanism
ne.{i}.CallingFeatures.MessageWaiting  messages read or not.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li ne.{i}.CallingFeatures.AnonymousCalEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li ne.{i}.CallingFeatures.DoNotDisturbEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI pobject  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy configuration n  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server port  InternetGatewayDevice.			or not.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li ne.{i}.CallingFeatures.AnonymousCalEnable anonymous calls.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li ne.{i}.CallingFeatures.DoNotDisturbEnable DND.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy configuration n SIP proxy server IP address InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server IP address InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server proxyServerPort Siring Proxy server port InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy server protocol. Transport protocol used in SIP communication. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address SIP serv	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	string	All
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li   boolean   anonymous calls.	ne.{i}.CallingFeatures.MessageWaiting		messages
ne.{i}.CallingFeatures.AnonymousCalEnable  anonymous calls.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean e.{i}.CallingFeatures.DoNotDisturbEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI proxy configuratio n string Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address			read or not.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li ne.{i}.CallingFeatures.DoNotDisturbEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy configuration n  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server P.ProxyServer InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server protocol. Transport protocol used in SIP communication. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li boolean e.{i}.CallingFeatures.DoNotDisturbEnable  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy configuration n  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server p.ProxyServer InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server p.ProxyServerPort  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String Proxy server protocol. Transport protocol. Transport protocol used in SIP communication. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI String SIP server address	ne.{i}.CallingFeatures.AnonymousCalEnable		anonymous
ne.{i}.CallingFeatures.DoNotDisturbEnable  DND.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  P.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  Proxy server  IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  Proxy server  P.ProxyServerPort  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  Proxy server  port  Transport  protocol.  Transport  protocol  used in SIP  communicati  on. 0 is  UDP, 1 is  TCP, and 3  is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  SIP server  address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  SIP server  address  SIP server			calls.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  P.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  Proxy server  IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  Proxy server  P.ProxyServerTransport  Transport  protocol.  Transport  protocol  used in SIP  communicati  on. 0 is  UDP, 1 is  TCP, and 3  is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  SIP server  address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI  SIP server  string  SIP server  SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.Li	boolean	Enable
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server P.ProxyServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server P.ProxyServerPort  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.ProxyServerTransport  Transport P.ProxyServerTransport  Transport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server	ne.{i}.CallingFeatures.DoNotDisturbEnable		DND.
P. configuratio n  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.ProxyServerTransport  Transport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server			
P. configuratio n  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server P.ProxyServer InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI Proxy server P.ProxyServerPort InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.ProxyServerTransport  Transport P.ProxyServerTransport  Transport Protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server string SIP server address  SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	object	SIP proxv
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server IP address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server	•	<b>.</b>	
P.ProxyServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.ProxyServerTransport  Transport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			-
P.ProxyServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.ProxyServerTransport  Transport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Proxy server
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string Proxy server port  P.ProxyServerTransport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server		C	
P.ProxyServerPort port  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.ProxyServerTransport P.ProxyServerTransport P.ProxyServerTransport P.ProxyServerTransport Protocol. Transport Protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  SIP server	-		
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.ProxyServerTransport protocol. Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server	•	string	
P.ProxyServerTransport  protocol.  Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server	P.ProxyServerPort		port
Transport protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Transport
protocol used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server	P.ProxyServerTransport		protocol.
used in SIP communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			Transport
communicati on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server			protocol
on. 0 is UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI P.RegistrarServer  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI SIP server address  SIP server			used in SIP
UDP, 1 is TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string P.RegistrarServer address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server SIP server			communicati
TCP, and 3 is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			on. 0 is
is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			UDP, 1 is
is TLS.  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			TCP, and 3
P.RegistrarServer address  InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server			
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI string SIP server	InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	SIP server
		-	address
	IntermetCategoryDavide Comines VoiceComine (i) ViceDavEl (i) Cl	atnin a	CID comes
D.D. a cistua u Caurra u Dout		sumg	
P.RegistrarServerPort port	r.KegistrarServerPort		port

InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Transport
P.RegistrarServerTransport	Sumg	protocol.
r.Registrarserver Transport		
		Transport
		protocol
		used in SIP
		communicati
		on. 0 is
		UDP, 1 is
		TCP, and 3
		is TLS.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Local
P.UserAgentDomain		domain
		name. SIP
		domain
		name.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	SIP server
P.UserAgentPort P.UserAgentPort		port
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Transport
P.UserAgentTransport		protocol
		used in SIP
		communicati
		on. 0 is
		UDP, 1 is
		TCP, and 3
		is TLS.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Use
P.Organization		organization
		headers
		(Fanvil) in
		text strings.
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Retry
P.RegisterRetryInterval		interval for
		SIP
		registration
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	string	Actual retry
P.RegisterExpires		interval for
		SIP
		registration
		-55.50.000

$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. SI$	unsigned	DSCP mark
P.DSCPMark	Int	(differential
		service code
		point, set to
		"-" by
		default)
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. SI$	int	
P.VLANIDMark		
InternetGatewayDevice.Services.VoiceService.{i}.VoiceProfile.{i}.SI	int	
P.EthernetPriorityMark		
$Internet Gateway Device. Services. Voice Service. \{i\}. Voice Profile. \{i\}. SI$	object	
P.X_ATP_OptionTime.		
InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.6.SIP.X	tUnsigne	Monitoring
_ATP_OptionTime.IntervalTime	d	time interval
InternetGatewayDevice.Services.VoiceService.1.VoiceProfile.6.SIP.X	unsigned	Monitoring
_ATP_OptionTime.OptionsType	Int	types SIP
		option and
		UDP