KNXSGSM-32 GSM Gatway

KNXSGSM-32 GSM Gatway is a multi-functional product used to effectively implement the smooth transition between PLMN (GSM) and VoIP network. The   GSM/CDMA VoIP gateway is designed for comfort, ease-of-use to satisfied necessary of customers. It is not only inherits tradition of quality voice communication over IP network but   reduce the human resource of VoIP network deployment. It's a cost-effective gateway   for call termination (VoIP to GSM)   and origination   (GSM/CDMA to VoIP). It is fully compatible with leading soft switch and SIP server.

Key benefits

SNTP

PIN can be modified	Ping/ Tracer on web
SMS/SMSC/USSD, support API	Up to 32 current calls
Manual /automatic selection operators	BCCH(Lock frequency)
Syslog way output tracking information	Compatible with SIMBOX and SIMBANK

Voice

G.711A/U law, G.723.1, G.729A/B

Silence Suppression & Detection

Comfort Noise Generation(CNG)

Voice Activity Detection(VAD)

Echo Cancellation(G.168)

Adaptive (Dynamic) Jitter Buffer

Call Progress Tone Generation

Programmable Gain Control

Mobile Specifications

Frequency Range:

GSM : 850/900/1800/1900MHz (optional)

WCDMA : 900/2100MHz (optional)

        Or 850/1900MHz (optional)

DTMF mode: Signal/RFC2833

SMS/SMSC/USSD

Provide API interface

Call duration limitation

One/two stage dial-up, Hotline

Polarity Reversal

Custom IVR

PIN and IMEI modified

Carrier select

CLIR

BCCH

Maintain & Upgrade

Web based configuration

Telnet configuration

Configure backup/restore

Support English and China language

Firmware upgrade by TFTP

Web & telnet login password modify

Factory reset

Output CDR/Tracking news by syslog

Ping and Tracer test on web

Traffic statistics: TCP,UDP,RTP

VoIP call statistics

PSTN call statistics: ASR,ACD,PDD

SIP Characteristics

By port registration

By device registration(share account)

Support IP trunk and IP trunk group

Two 183 mode

Response code switch

All ports busy, redirected to other device

Network Features

SIM card slot: 32 GSM channels

Ethernet Interface: 1 LAN*10/100M Base-Tx RJ45

Manage Interface: 1 Console RFC2833 Static IP, PPPoE, DHCP

Network Protocol Support:

IP,TCP, UDP,TFTP, FTP, RTP, RTCP, ARP,RARP,ICMP Ping, NTP, SNTP, Http, DNS

NAT   traversal: Static NAT, STUN

Static/dynamic ARP request

Up to 32 routing

VLAN

Physical properties

Power: 220 VAC

Power consumption:80W

Temperature(operation): 0 ℃ ～ 45 ℃

(storage): -20 ℃ ~80 ℃

Operation Humidity: 10%-90%

no condensation

Dimension(w/D/H): 440*330*66mm

Weight: 6.4kg

Packing Content

Gateway

RJ-45 Network cable

Antenna