

KNXSGSM-8 GSM Gateway

KNXSGSM-8 GSM Gateway 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

8 GSM channels

LINUX platform

Carrier select

GSM: Quad-band 850/900/1800/1900MHz

PIN modified

SMS sending and receiving

PSTN and VoIP hotline

USSD, open API for SMS

Up to 8 concurrent calls

Flexible dial plan, digit map

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 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

IM card slot: 8 GSM channels
Ethernet Interface: 4*10/100M Base-Tx RJ45
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
Temperature(operation): 0 °C ~ 45 °C
(storage): -20 °C ~80 °C
Operation Humidity: 10%-90% no condensation
Dimension(w/D/H): 440*307*44.5mm
Weight: 4.2kg

Packing Content

Gateway
RJ-45 Network cable
Antenna
User' s Manual CD