

GSM VoIP Gateway



- **4/8/16 GSM/CDMA channels optional**
- **Up to 16 concurrent calls**
- **GSM: Quad-band 850/900/1800/1900MHz**
- **CDMA: 800MHz**
- **IMEI and PIN modified**
- **SMS sending and receiving**
- **USSD, open API for SMS**
- **Flexible dial plan, digit map**

The SGSM x series GSM/CDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between PLMN (GSM/CDMA) 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/CDMA) and origination (GSM/CDMA to VoIP). It is fully compatible with leading Softswitch and SIP servers.

Key Feature

- **Point to Point Protocol over Ethernet (PPPoE) Client Support**

Built-in PPPoE client for establishing a DSL link connection with the ISP. There is no need to install a further PPPoE driver on computers.

- **Smart QoS**

It provides smart QoS feature to provide stable voice quality while users access internet from private LAN to internet at the same time.

- **VoIP to GSM/CDMA call termination**

It allows up to 16 concurrent calls, terminate calls from VoIP to GSM/CDMA network.

- **Origination: GSM/CDMA to VoIP**

Maximum 16 concurrent calls for each unit, calls from GSM/CDMA network over VoIP.

- **Fully compatibility**

Flexible choice, worldwide GSM/CDMA network usable.

- **SMS supported**

SMS sending and receiving, provides open API interface for third party to develop their own business.

- **Management & maintenance**

Remote SMS recharge ,Hot plug SIM cards, SIM cards' PIN protection, easy to maintenance

- **Flexible number manipulation**

Support 32 number manipulation rules ,replace the call prefix and send calls to different ports and port groups

- **Route management**

More than 2 softswitch/SIP server send calls to GSMV200x, white & black IP list management

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TECHNICAL SPECIFICATIONS	
Physical Interfaces <ul style="list-style-type: none"> • 4/8/16 GSM/CDMA channels • GSMV2004/GSMV2008/GSMV2016: 1 WAN, 3 LAN ports • Signal strength indicator 	GSM/CDMA Features <ul style="list-style-type: none"> • GSM: Quad-band 850/900/1800/1900MHz • CDMA: 800MHz • SMS sending and receiving • Support PIN code protection • Monitor SIM cards status through WEB • Hot plug SIM cards • IMEI and PIN modified • Open SMS API interface, USSD • Talk duration restriction • Hide telephone number of SIM card • Reject incoming calls
VoIP Specifications <ul style="list-style-type: none"> • MGCP : with ISP bypass feature (optional) SIP signaling <ul style="list-style-type: none"> • RFC3261 SIPv2.0 • Support User ID and Password Authentication • Peer to Peer SIP proxy call Voice Codec <ul style="list-style-type: none"> • G.711, G.723.1, G.729ab • Coding: A-law, μ-law • Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G 168, up to 128 ms tail size FAX over IP(coming soon) <ul style="list-style-type: none"> • Using industry standard T.38, up to 14.4kbps • Pass-through 	Configuration and Management <ul style="list-style-type: none"> • Software update online automatically. • Web, Telnet configuration • Support Language: English, Simplified Chinese • Firmware upgrading by TFTP/FTP • Customize IVR file upload • Administrator, Telnet password modification • Monitoring: SIM cards state, VoIP account register status • Central management
Network Features <ul style="list-style-type: none"> • Penetrate NAT/Firewall • Support TCP/UDP, RTP/RTCP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, PPPoE, STUN • Static IP Configure. • PPPoE Dialup • DHCP client 	Compatibility <ul style="list-style-type: none"> • Fully compatible with mainstream vendors, such as HUAWEI softX3000, elastix, trixbox, voipswitch, asterisk etc. • Compatible with other standard Softswitch and SIP server
Call Features <ul style="list-style-type: none"> • Adaptive Voice Activity Detection (VAD) with Comfort Noise Generation (CNG) • Adaptive Jitter Buffer • Packet Loss Concealment • DTMF Signaling via RFC 2833 or SIP Info • Auto dial for speed • Adjustable Gain of port: -6db~+6db 	General specifications <ul style="list-style-type: none"> • Power supply: GSMV2004/GSMV2008/GSMV2016 AC100~240V , 50/60HZ • Temperature: 0°C~40°C (Operation) -20~80°C (storage) • Humidity: up to 90% non-condensing • Certifications: FCC, CE • Dimensions (W x D x H): GSMV2004/GSMV2008: 440 x 305 x 44 mm GSMV2016 : 440 x 410 x 44 mm • Weight: GSMV2004/GSMV2008/GSMV2016 : 4.8kg/5.0kg/6.8Kg

Ordering Information

Model	Description
GSMV2004	GSM/CDMA VoIP Gateway, 4 VoIP channels, 4 10/100M Base-T, SIP/MGCP
GSMV2008	GSM/CDMA VoIP Gateway, 8 VoIP channels, 4 10/100M Base-T, SIP/MGCP
GSMV2016	GSM/CDMA VoIP Gateway, 16 VoIP channels, 4 10/100M Base-T, SIP/MGCP

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