3G VoIP Gateway

The 3G VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between 3G and VoIP network. The 3G 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 3G) and origination (3G to VoIP). It is fully compatible with leading Softswitch and SIP servers.

HIGHT LIGHT

- *4/8/16/32 SIMs*
- *Cost-effective*
- *SIP Standard*
- *SMS Server support*
- *Flexible dial plan*
- *3G (Thailand) Support*

Main Feature

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 3G call termination : It allows up to 32 concurrent calls, terminate calls from VoIP to 3G network.

Origination: 3G to VoIP : Maximum 32 concurrent calls for each unit, calls from 3G network over VoIP.

Fully compatibility : Flexible choice, worldwide 3G network usable.

SMS Server 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

TECHNICAL SPECIFICATIONS

Physical Interfaces

•4/8/16/32 SIM ports for 3G   •1 WAN ports •Signal strength indicator

VoIP Specifications

•MGCP : with ISP bypass feature (optional)

SIP signaling

• RFC3261 SIPv2.0 • Support User ID and Password Authentication • Peer to Peer SIP proxy call

Voice Codec

• 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)

• Using industry standard T.38, up to 14.4kbps • Pass-through

Network Features

• Penetrate NAT/Firewall

• Support TCP/UDP, RTP/RTCP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, PPPoE, STUN • Static IP Configure. • PPPoE Dialup • DHCP client

Call Features

•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

3G Features

•3G: 2100Mhz •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

Configuration and Management

•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

Compatibility

•Fully compatible with mainstream venders, such as HUAWEI softX3000, elastix, trixbox, voipswitch, asterisk etc. •Compatible with other standard Softswitch and SIP server

General specifications

•Power supply: 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): 3G2004/3G2008: 440 x 305 x 44 mm / 3G2016/3G2032 : 440 x 410 x 44 mm •Weight: 3G2004/3G2008/3G2016/3G2032 : 4.8kg/5.0kg/6.8Kg/8.2kg

For more information

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