

OM-GW2000-1G

Full featured Voip gateway based on IP and GSM wireless network



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OM-GW2000-1 GSM VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between PLMN(GSM) and VoIP network. The GSM 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 (VoIPtoGSM) and origination (GSMtoVoIP). It is fully compatible with leading Soft-switch and SIP server.

Key Features

- 1 GSM channels
- Carrier Auto/Manual Selection
- BCCH Management
- GSM:850/900/1800/1900MHz
- PIN/IMEI Management
- SMS Send and Receive
- PSTN and VoIP Hotline
- Open API for SMS/USSD
- White/BlackList
- Easy to Use and Installation

Voice Processing

- Protocol: SIP v2.0, RFC3261
- Codecs:G.711A/U law, G.723.1, G.729A/B
- Silence Suppression
- Comfort Noise Generator(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation: G.168 with up to 128ms
- Dynamic Jitter Buffer
- DTMF: RFC2833, SIP Info
- Call Progress Tone Generation
- Programmable Gain Control
- NAT Traversal: STUN, Static/ Dynamic NAT

Mobile

- SIM Slot: 1
- SIM Interface: 1.8v, 3.0v SIM Interface
- Frequency Range:
- GSM 850/900/1800/1900MHz
- SMS/SMSC/USSD
- HTTP API for SMS
- Call Duration Limitation
- Polarity Reversal
- PIN Modify
- Carrier Auto/Manual Selection
- CID/CLIR
- BCCH
- Balance Alarm

Software Features

- Calling Type:
- Mobile to VoIP, VoIP to Mobile
- SIP Trunk and Trunk Group
- Up to 32 Caller/Called Number Manipulation Rules
- SIP Codes Mapping
- White/Black List
- Call Waiting
- Callback
- PSTN Hotline
- VoIP Hotline
- Password authentication for incoming and outgoing calls
- Auto provisioning
- Abnormal Call Monitor
- Call Minutes Limitation

Maintenance

- Web Based Configuration
- Telnet Configuration
- Configure Backup/Restore
- Support English and Chinese Language
- Firmware upgrade by HTTP/TFTP
- Web & Telnet Login Password Modify
- Factory Reset
- CDR (5000 Lines CDRs Storage Locally)
- Output CDR via Syslog
- Syslog
- Ping and Tracert
- Traffic statistics: TCP,UDP,RTP
- VoIP Call Statistics
- PSTN Call statistics: ASR,ACD,PDD
- Voice Dialogist with Loopback
- IVR Customization
- System Logs

Network

- Network Work Mode: Router/Bridge
- Ethernet Interface:
- 1WAN&1LAN,2*10/100M Base-T,RJ45
- Static IP, DHCP Client/Server
- Network Protocols:
- TCP, UDP,TFTP, FTP, RTP, RTCP, ARP,RARP,ICMP Ping, NTP, SNTP, HTTP, DNS
- Static/Dynamic ARP Request

Environmental

- Power Supply:
- External Power Adapter 12VDC1A
- Power Consumption: 3.5W
- Operating Temperature: 0 °C~ 40 °C
- Storage Temperature: -20 °C~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 126×75×25mm
- Unit Weight: 0.7kg