



GSM VoIP Gateway DW-GTW-GSM001

DW-GTW-GSM001 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 (VoIP to GSM) and origination (GSM to VoIP). It is fully compatible with leading Soft-switch and SIP server.





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Systems Specifications

Key Features

- 1 GSM channels.
- SMS Send and Receive.
- Carrier Auto/Manual Selection.
- PSTN and VoIP Hotline.
- BCCH Management.
- Open API for SMS/USSD.
- GSM: 850/900/1800/1900MHz.
- White/Black List.
- PIN/IMEI Management.
- 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: STUN/UPnP

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

Mobile

- SIM Slot: 1.
- SIM Interface: 1.8v, 3.0v SIM Interface.
- Frequency Range: GSM 850/900 1800/1900MHz.
- SMS/SMSC/USSD.
- Open 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.
- NAT Traversal: STUN, Static NAT, Dynamic NAT.
- Static/Dynamic ARP Request.