



DWG2000 GSM/WCDMA VoIP Gateway

Overview

Dinstar DWG2000 GSM/WCDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between PLMN (GSM) and VoIP network. The GSM/WCDMA 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/WCDMA) and origination (GSM/WCDMA to VoIP). It is fully compatible with leading soft switch and SIP server.

Product Pictures



Key Benefits

1 GSM/WCDMA channels

Embedded Operation system

Carrier select

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

PIN modified

SMS sending and receiving

PSTN and VoIP hotline

USSD, open API for SMS

WCDMA: 850/1900/2100MHz

Flexible dial plan, digit map



Decade focused

Creates the high-quality goods

Voice Processing


- 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
WCDMA 850/1900/2100 MHz
- DTMF mode:** Signal/RFC2833
- SMS/SMSC/USSD
- open API for SMS
- Call duration limitation
- One/two stage dial-up, hotline
- Polarity Reversal
- Custom IVR
- PIN modified
- Carrier select
- CLIR
- BCCH

Feature list

- SIP v2.0 RFC3261
- Outbound Proxy
- SIP register client
- IP trunk and IP trunk group
- Immediately 183 Ringing
- SIP codes mapping
- Call Redirect
- Call waiting
- PSTN hotline
- VoIP hotline
- Password authentication for incoming and outgoing calls
- Auto provisioning
- Local/Remote Codecs
- Digit map



Customer first
Services more intimately

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
- System log
- Ping and Tracer test on web
- Traffic statistics: TCP,UDP,RTP
- VoIP call statistics
- PSTN call statistics: ASR,ACD,PDD

Physical properties

- Power: DC12V1A
- Temperature(operation): 0 °C ~ 45 °C
(storage): -20 °C ~80 °C
- Operation Humidity: 10%-90%
no condensation
- Weight: 0.7kg

Network Features

- SIM 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
 - DSCP/ToS

Packing Content

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

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