



I N S T R

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	SMS sending and receiving
Embedded Operation system	PSTN and VoIP hotline
Carrier select	USSD, open API for SMS
GSM: Quad-band 850/900/1800/1900MHz	WCDMA: 850/1900/2100MHz
PIN modified	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

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

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

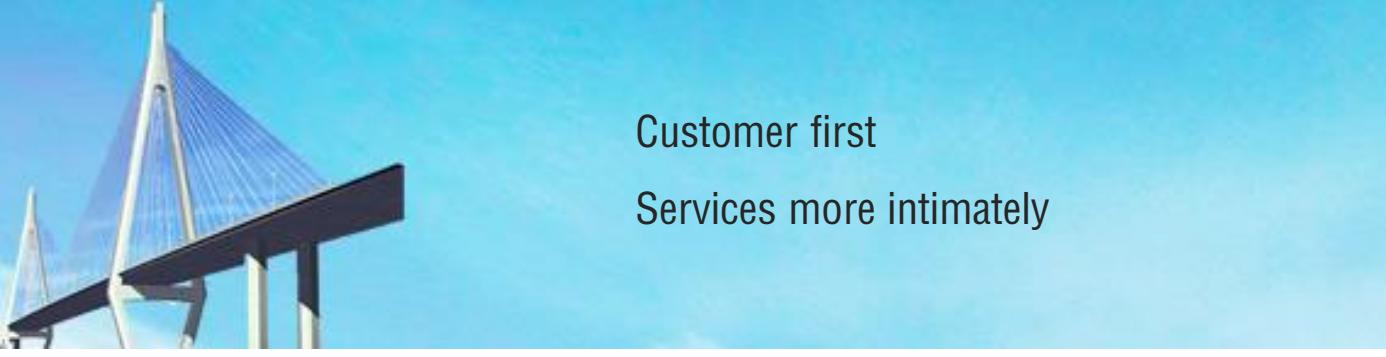
• Custom IVR

• PIN modified

• Carrier select

• CLIR

• BCCH



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

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

Physical properties

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

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

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