



## DWG2000E GSM/CDMA/WCDMA VoIP Gateway

Dinstar DWG2000E series GSM/CDMA/WCDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between mobile and VoIP network. Compare to DWG2000C series product, DWG2000E has great improvement not only in software features but also in new hardware structure design. It is fully compatible with Dinstar SIMCloud/SIMbank solution and easy to use. Moreover, with built-in 4-1 antenna power divider which is saving space and more easier to install

### Product Pictures



**DWG2000E-8G/C**  
(Standalone Antennas )




**DWG2000E-8G/C-M**  
(Built in 4-1 Antenna Power Divider )

### Key Benefits

4/8 GSM/CDMA/WCDMA Channels  
GSM: Quad-band 850/900/1800/1900MHz  
CDMA: 800MHz  
WCDMA: 900/2100MHz  
Up to 8 Concurrent Calls  
Flexible Dial Rules and Manipulation Rules

SMS Sending and Receiving  
USSD, Open API for SMS/USSD  
PSTN and VoIP Hotline  
BCCH  
PIN Code Management  
Remote SIM Card Management(SIMCloud)



Decade focused

Creates the high-quality goods

## Voice Capability

- 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 Feature

- Frequency Range:  
GSM: 850/900/1800/1900MHz  
CDMA: 800Mhz  
WCDMA:900/2100MHz(Optional)
- SMS/SMSC/USSD
- SMS Coding/Decoding: ASCII/UCS2
- Open API Protocol
- PIN Code Management
- Call Duration Limitation for SIM Card/Single Call
- Polarity Reversal ( GSM)
- Answer Delay (CDMA)
- Carrier Selection
- Caller ID Restriction for Outgoing Call
- BCCH Management
- Call Waiting
- Call Forwarding

## SIP Characters

- SIP V2.0 RFC3261
- SDP RFC2327
- Session Timer RFC4028
- RTP/RTCP RFC3551
- SIP Registration
- SIP Trunk ( Peer Mode)
- SIP Trunk Group
- Ringback (Immediately, Alerting)
- Configurable SIP Release Code
- DNS SRV/A Query
- Outbound Proxy
- DTMF Mode: Signal/RFC2833
- NAT Traversal  
Dynamic NAT, Static NAT, STUN

## Physical Interfaces

- SIM Card Slot: 4/8 Channels
- Ethernet Interface:  
2 LAN 10/100M Base-Tx RJ45
- Console: 1\* RS232 115200bps
- Antennas Connectors: SMA
- LED Indicators:  
PWR, RUN, Signal Strength, On/Off-hook
- Reset Button
- SIM Card Installation  
Local SIM/Remote SIM with SIMBank



Customer first

Services more intimately

### Network Protocol

- IP v4, UDP/TCP, PPPoE, DHCP, FTP/TFTP  
ARP,RARP, NTP
- VPN PPTP
- Encryption: RC4,MD5 (Coming Soon)
- IP v6 (Coming Soon)
- HTTP, Telnet

### Physical Properties

- Power Supply  
Input:100-240V,50-60Hz  
Output: DC12V 4.0A
- Power Consumption:  
DWG2000E-4G: 20w  
DWG2000E-8G: 25w
- Temperature(Operation): 0 °C ~ 45 °C  
(Storage): -20 °C ~80 °C
- Operation Humidity: 10%-90% No  
Condensation
- Dimension(W/D/H): 250\*156\*32.5mm
- Weight: 1.069kg
- Package Weight: 2.05kg

### Maintain & Upgrade

- 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 (10000 Lines CDRs Storage  
Locally)
- Output CDR via Syslog
- Syslog
- Ping and Tracert Test
- Traffic statistics: TCP,UDP,RTP
- VoIP Call Statistics
- PSTN Call statistics:  
ASR,ACD,PDD
- Voice Dialogist with Loopback
- IVR Customization
- System Logs



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