



## DWG2000F GSM/CDMA/WCDMA VoIP Gateway

Dinstar DWG2000F series GSM/CDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between mobile and VoIP network. Compare to DWG2000B series product, DWG2000F has great improvement not only in software features but also in new hardware structure design. With new designed pop-up SIM card slot, users are able to change SIM card easily without dismantling equipment. 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 and maintain.

### Product pictures



**DWG2000F-16G/C**  
(Standalone Antennas )




**DWG2000F-16G/C-M**  
(Built in 4-1 Antenna Power Divider )

### Key benefits

8 /16 GSM/CDMA/WCDMA Channels  
GSM: Quad-band 850/900/1800/1900MHz  
CDMA: 800MHz(Optional)  
WCDMA: 900/2100MHz (Optional)  
Up to 16 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(Optional)  
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: 8/16 Channels
- Ethernet Interface:  
2 LAN 10/100M Base-Tx RJ45
- Console: 1\* RS232 115200bps
- Antennas Connectors: SMA
- LED Indicators:  
PWR, RUN, Port State
- 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
- Power Consumption: 38w
- Temperature(Operation): 0 °C ~ 45 °C  
(Storage): -20 °C ~80 °C
- Operation Humidity: 10%-90% No  
Condensation
- Dimension(W/D/H): 440×270×44 mm
- Weight: 3.6kg
- Package Weight: 5.5kg

### 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



Floor 6, Guoxing Building, Changxing Road, Nanshan District, Shenzhen, China 518052

Tel: +86 755 2645 6664 Fax: +86 755 2645 6659

Email: [sales@dinstar.com](mailto:sales@dinstar.com) [support@dinstar.com](mailto:support@dinstar.com) Website: [www.dinstar.com](http://www.dinstar.com)