



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