DWG2000F GSM/CDMA 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 Channels	SMS Sending and Receiving
GSM: Quad-band 850/900/1800/1900MHz	USSD, Open API for SMS/USSD
CDMA: 800MHz	BCCH
PSTN and VoIP Hotline	Carrier Selection
Up to 16 Concurrent Calls	PIN Code Management
Flexible Dial Rules and Manipulation Rules	Remote SIM Card Management(SIMCloud)

The Gateway to VoIP World

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: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

The Gateway to VoIP World

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 ℃ ~ 45 ℃ (Storage): -20 ℃ ~80 ℃
- 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

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