

DWG 2000 GSM/CDMA VoIP Gateway Data Sheet



- 1/4/8/16 GSM/CDMA channels optional
- Up to 16 concurrent calls
- GSM: Quad-band 850/900/1800/1900MHz
- CDMA: 450/800/1900MHz
- IMEI and PIN modified
- SMS sending and receiving
- USSD, open API for SMS
- Flexible dial plan, digit map

The DINSTAR DWG200x series GSM/CDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between PLMN (GSM/CDMA) and VoIP network. The GSM/CDMA 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/CDMA) and origination (GSM/CDMA to VoIP). It is fully compatible with leading Softswitch and SIP servers.

Key Features

Point to Point Protocol over Ethernet (PPPoE) Client Support

Built-in PPPoE client for establishing a DSL link connection with the ISP. There is no need to install a further PPPoE driver on computers.

Smart QoS

It provides smart QoS feature to provide stable voice quality while users access internet from private LAN to internet at the same time.

VoIP to GSM/CDMA call termination

It allows up to 16 concurrent calls, terminate calls from VoIP to GSM/CDMA network.

Origination: GSM/CDMA to VoIP

Maximum 16 concurrent calls for each unit, calls from GSM/CDMA network over VoIP.

Fully compatibility

Flexible choice, worldwide GSM/CDMA network usable.

SMS supported

SMS sending and receiving, provides open API interface for third party to develop their own business.

Management & maintenance

Remote SMS recharge ,Hot plug SIM cards, SIM cards ' PIN protection, easy to maintenance

Flexible number manipulation

Support 32 number manipulation rules ,replace the call prefix and send calls to different ports and port groups

Route management

More than 2 softswitch/SIP server send calls to DWG200x, white & black IP list management

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SPECIFICATIONS

PHYSICAL INTERFACES

SIM Card Slot	1/4/8/16 GSM/CDMA slot
Network Interface	WAN and LAN, 10/100M Base-TX, RJ-45 DWG2001 1LAN/1WAN, DWG2008/2016 3LAN/1WAN

SIGNALLING & PROTOCOLS

SIP	RFC3261 v2.0
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VOICE & FAX

Voice over Packet Capabilities	VAD, CNG, DJB, PLC
Voice Codec	G.711 a-law/ μ -law, G.723.1, G.729A/B, iLBC

Features of Network

IP Transport	TCP/UDP, ARP/RARP, NTP, DNS, TFTP, HTTP, TELNET, ICMP, STUN
Others	Static IP, PPPoE, DHCP Client, NAT, STUN

Mobile

Frequency Range	GSM:850/900/1800/1900MHZ CDMA:450/800/1900MHZ
Mobile Function	SMS Receive/send, Monitor the SIM Cards status via Web GUI, SMS API, USSD

Dinstar Technologies Co., Ltd. is a hi-tech enterprise specializing in voip solutions and IP voice value-added services. It is the IP voice product and system manufacturer with the leading market share in China and with the most complete product lines in this industry.

Dinstar has a professional and high-quality R&D team made up of lots of experts who are experienced in telecom network, data communication, mobile communication, or network integration.

Dinstar's products include E1/T1 gateway, VoIP GSM/CDMA gateway, access gateway, softswitch, IP phone, billing systems, and Internet voice value-added service total solutions, etc., which are characterized by complete specifications and good compatibility. Moreover, Dinstar VoIP products reaches an operation level truly in respect of availability, manageability, and maintainability.

Dinstar's VoIP systems provide broadband voice application services and complete softswitch voice access system solutions to such operators as China Mobile, China Unicom and China Telecom. In addition, through such products, voice-based value-added services are being offered to a number of enterprises as well as governmental departments.

Since the establishment, Dinstar has been dedicated in making use of innovative technology and service to create values for customers and help individuals, enterprises, and governmental institutions to realize healthy development and create resplendence. In the future, Dinstar will depend on practical, enterprising and innovative spirit to grow up into an outstanding global.

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MANAGEMENT

Firmware Update	TFTP, FTP, WEB
Monitoring tools	Configuration & Monitoring via WEB, SSH, RS-232
Backup & upload	Update & backup via http

PHYSICAL

Power	12VDC, 2A
Environmental	Operational: 32~104F / 0~40°C Storage: -4~158F / -20~70°C Humidity: 10%-90%, no-condensing
Weight	DWG(1G)1.6 kg, DWG(4/8G/C)6.2kg, DWG(16G)6.8kg
Dimension (WxDxH)	DWG(1G)113x77.5x24.5; DWG(4/8G/C)440x380x44.5; DWG(16G)440x410x44.5mm

REGULATORY COMPLIANCE

Certification	CE and FCC
Safety and EMC	CE LVD EN60950-1: 2006 FCC part 15 Class B CE Mark (EN55022 Class B, EN60950, EN55024, EN300 386)

DINSTAR NGN Products

- IP Phone / SIP Phone
- Analog VoIP Gateway (FXS/FXO)
- GSM/CDMA/WCDMA VoIP Gateway
- NGN Softswitch
- NMS & Billing System
- E1/T1 Trunk Gateway

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DIAGRAM

