



GLOBAL CS[®] MEDIA GATEWAY GSM/CDMA VOIP

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

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 Feature

- **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 8 concurrent calls, terminate calls from VoIP to GSM/CDMA network.

- **Origination: GSM/CDMA to VoIP**

Maximum 8 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 then 2 softswitch/SIP server send calls to DWG200x, white & black IP list management

Technical Specification

Physical Interfaces

- 1/4/8 GSM/CDMA channels
- DWG2004/DWG2008: 1 WAN, 3 LAN ports
- DWG2001: 1WAN, 1LAN ports
- Signal strength indicator

VoIP Specifications

- MGCP : with ISP bypass feature (optional)

SIP signaling

- RFC3261 SIPv2.0
- Support User ID and Password Authentication
- Peer to Peer SIP proxy call

Voice Codec

- G.711, G.723.1, G.729ab
- Coding: A-law, μ -law

GSM/CDMA Features

- GSM: Quad-band 850/900/1800/1900MHz
- CDMA: 800MHz
- SMS sending and receiving
- Support PIN code protection
- Monitor SIM cards status through WEB
- Hot plug SIM cards

- IMEI and PIN modified
- Open SMS API interface, USSD

- Talk duration restriction

- Hide telephone number of SIM card

- Reject incoming calls

Configuration and Management

- Software update online automatically.
- Web, Telnet configuration

- Enhanced (Carrier Grade) Echo Cancellation: ITU Rec. G 168, up to

128 ms tail
size

FAX over IP(coming soon)

- Using industry standard T.38, up to 14.4kbps
- Pass-through

Network Features

- Penetrate NAT/Firewall
- Support TCP/UDP, RTP/RTCP, HTTP, ARP/RARP, DNS, NTP, TFTP,

TELNET, PPPoE, STUN

- Static IP Configure.
- PPPoE
Dialup
- DHCP
client

Call Features

- Adaptive Voice Activity Detection (VAD) with Comfort Noise

Generation (CNG)

- Adaptive Jitter Buffer

- Support Language: English, Simplified Chinese

- Firmware upgrading by TFTP/FTP
- Customize IVR file upload
- Administrator, Telnet password modification
- Monitoring: SIM cards state, VoIP account register status
- Central management

Compatibility

- Fully compatible with mainstream vendors, such as HUAWEI

softX3000, elatix, voipswitch etc.

- Compatible with other standard Softswitch and SIP server

General specifications

- Power supply:

DWG2001: AC100~240V DC12V/1A, 50/60HZ

DWG2004/DWG2008: AC100~240V , 50/60HZ

- Temperature: 0°C~40°C(Operation)

-20~80°C (storage)

- Humidity: up to 90% non-condensing

- Packet Loss Concealment
- DTMF Signaling via RFC 2833 or SIP Info
- Auto dial for speed
- Adjustable Gain of port: -6db~+6db

• Certifications: FCC, CE

• Dimensions (W x D x H):

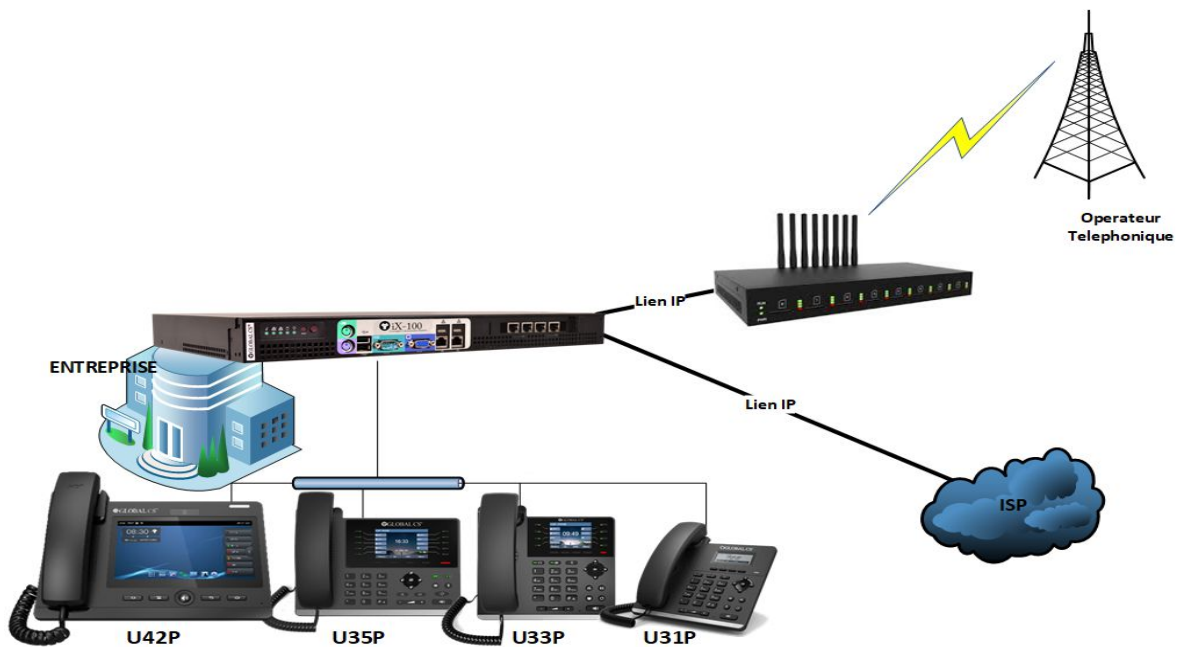
DWG2001: 112 x 76 x 24 mm

DWG2004/DWG2008: 440 x 305 x 44 mm

• Weight:

DWG2001: 0.7kg

DWG2004/DWG2008: 4.8kg/5.0kg



Certifications



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