

# Easy-Gate Series VoIP Gateway

Easy-Gate series analog gateway is one product of VoIP Gateway series by I.C.S.. Easy-Gate is a perfect product for the telecom carriers to provide the residential telephony and fax services through the broadband networks such as FTTB, HFC, and ADSL. Easy-Gate can be connected to the traditional PBXs to provide the voice solutions for enterprise, government, and etc.

Easy-Gate has twelve standard configurations: 2FXS ports, 4FXS ports, 8FXS ports, 16FXS ports, 4FXO ports, 8FXO ports, 16FXO ports, 1FXS/1FXO ports, 2FXS/2FXO ports, 4FXS/4FXO ports, 8FXS/8FXO ports, 12FXS/4FXO ports.

Easy-Gate offers rich features, high quality voice, high compatibilities, and Many other advantages. In addition to supplementary functions like Caller ID, Call Forwarding, and Call Routing, Broadcasting Second-stage Dialing, and Auto Dialing.



**EG202X/204X**

- Field programmable CP tone detection and generation to support PBX and CO line interconnections.
- Supports active/inactive per port.
- Supports programmable line interfaces with country specific telephone settings.
- Supports ITU standard voice codecs and voice processing algorithms including G.711, G.729, G.723.1, and G.168 Echo Cancellation as well as Fax T.38, **Bypass, Frf.**
- Intuitive management interfaces (Web, Telnet and Console) ensures rapid deployment / reduces demands on MIS resources.
- Supports IP Precedence prioritized Voice before Data packets providing best effort QoS
- Network administrators can remotely monitor and perform routine maintenance/trouble-shooting via Internet browser or telnet session.
- Support Call forwarding and Call Transfer
- Supports Dynamic IP/ PPPoE client support
- Supports DHCP client support
- Supports gateway-gateway direct routing and gateway-gatekeeper assisted routing mode

# Easy-Gate Series VoIP Gateway

## Features

Configuration	2,4,8,16 FXS analog ports; 4,8,16 FXO analog; mixed 1 FXS/1 FXO, 2 FXS/2 FXO, 4 FXS/4 FXO, 8 FXS/8 FXO, 12 FXS/4 FXO analog ports
Voice processing	Voice Codec: G.711, G.729, G.723.1, G.726 Echo cancellation: G.165 and G.168-2002, with 16,25ms tail length Dynamic Jitter buffer; Voice Activity Detection (VAD); and Comfort Noise Generator (CNG)
Calling Control	Calling/Called Number Mapping; Line Hunt
Fax processing	T.38 Fax Relay
Billing	Polarity reverse
Gateway Configuration	Web based user Interface; Text based configuration
Remote provisioning	Through HTTP/WEB mode

## Signaling

Off hook detection	FXS loop start and DDI
VoIP protocols	H.323V4 and SIP V2.0 Supports gateway-gateway direct routing and gateway-gatekeeper assisted routing mode
Network protocols	DHCP client, DHCP server, PPPoE Client, RTP/RTCP, IP/TCP/UDP/ICMP DNS
FXS Signaling	Loop start/DTMF

## Hardware

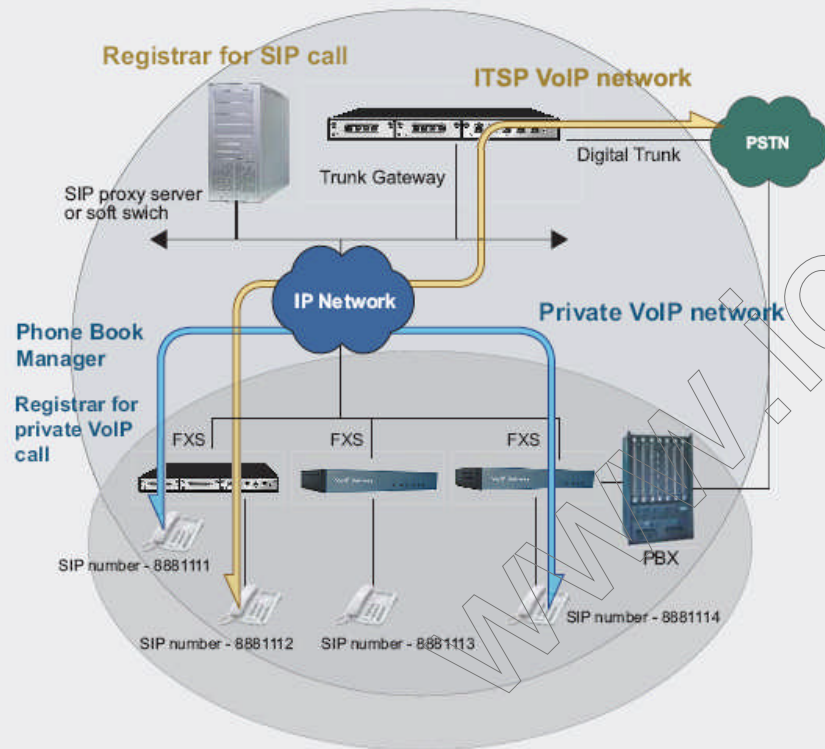
Max Line Length	2000 meters
Ringing Voltage	60 V RMS
FXO Interface Connector	RJ-11
Ethernet Interface Connector	One RJ45 port WAN Ethernet 10 base T One RJ45 port LAN Ethernet 100base T One RJ45 port for Console
Input Voltage	Power Adapter 100-240V 50-60Hz DC
Power Consumption	EG202X/204X: 22W (Max.); EG208X/216X: 40W (Max.)
Dimension (H x W x D)	EG202X/204X: 140X90X34 millimeter; EG208X/216X: 440X330X44 millimeter
Weight	EG202X/204X: 1.5 kg; EG208X/216X: 5kg

## Environmental Requirements

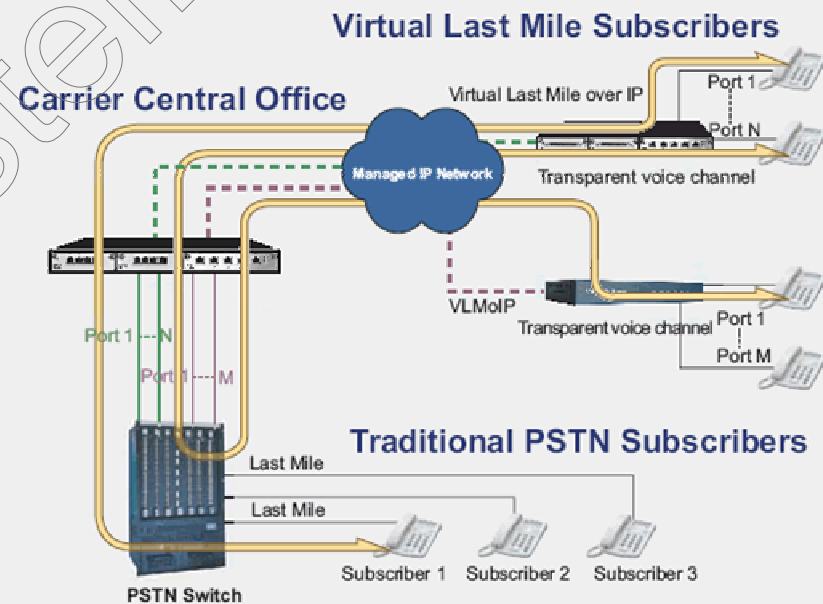
Operating Environmental	0 to 60° C, Non-Condensing Humidity 10% to 90%
Non-Operating Environmental	-10 to 70° C

# Easy-Gate VoIP Gateway Applications

## Dual network VoIP - ITSP + Private

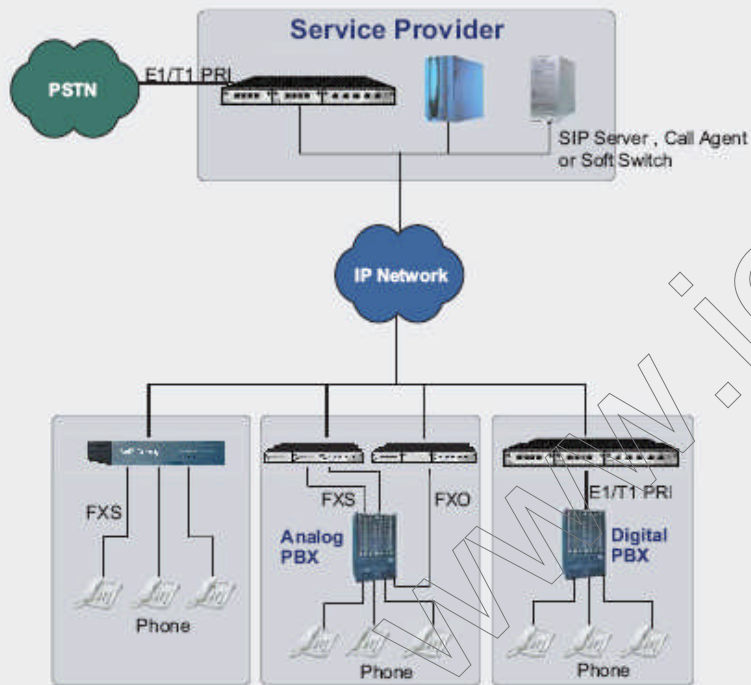


## Line extension over IP



# Easy-Gate VoIP Gateway Applications

## ITSP/ISR VoIP network



## Private SMB VoIP network

