



Product Overview

RoboGate is 2/4/8 ports stand alone VoIP Gateway which transmits real time voice and fax data over IP network. By deploying RoboGate, all voice and fax calls can be routed through Internet and the long distance calls charges can be eliminated. Supporting various types of Internet access, such as ADSL, cable modem and leased line, RoboGate can provide value added voice application over the company's existing data network. Easily integrated into any PBX system, RoboGate provides immediate cost saving without any impact on the company's telephone system.

In addition, the built-in NAT router provides Internet sharing function to other PCs or IP devices in the same network. Smart QoS function allows voice and data traffic to flow through where voice traffic is transmitted in highest priority. Furthermore, the gateway is standard based and fully compliant with other SIP or H323 VoIP products

Key Features and Benefits

- ▶▶ H323 v2/v3/v4 and SIP (RFC 2543 / RFC 3261) compliant
- ▶▶ Supports 2/4/8 simultaneous FAX / Voice calls with FXS / FXO
- ▶▶ NAT router function
- ▶▶ Smart QoS guarantees voice quality in a busy network
- ▶▶ Supports IP ToS (Type of Service)
- ▶▶ T.30 (G III) / Real Time T.38 / Secured T.38 Fax Relay
- ▶▶ Hot Line support
- ▶▶ Life-Line support (IP / power fail over relay)
- ▶▶ NAT traversal without configuration on the NAT router/firewall
- ▶▶ DTMF & FSK Caller ID generation for FXS and Detection for FXO
- ▶▶ Polarity Reversal Detection: Type I and Type II
- ▶▶ Programmable Flash Time
- ▶▶ Intelligent mechanism to detect line disconnection for FXO
- ▶▶ Real time voice calls monitoring
- ▶▶ Embedded H323 gatekeeper or SIP proxy server (optional)

Telephony Specifications

- Voice Codec: G.711(A-law / μ -law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
- FAX support : T.30 / T.38
- Echo Cancellation: G.165/G168
- FXO Caller ID detection : DTMF and FSK
- Adjustable AC Termination Impedance : 600 / 900 OHM and complex Impedance
- Life-Line support (IP/ power failure over relay)
- Polarity Reversal : Type I and Type II

IP Specifications

- H.323 v2/v3/v4 and SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP,STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833).
- LAN :NAT, Virtual Server, DHCP Server
- WAN: PPPoE client, DHCP client, Fix IP Address, DDNS client
- NAT router function.
- Smart QoS: Guarantee the voice bandwidth

Call Features

- Voice channels status display
- Peer to peer call by IP address or host name
- Register Call Mode by H.323 Gatekeeper or SIP Proxy
- Adjustable volume : - 9 db ~ 9 db
- Silence Compression
- Auto Dial for speed
- Dynamic Jitter Buffer

Configuration & Management

- Web-based Graphical User Interface
- Remote management over the IP Network
- FTP firmware upgrade
- Backup and Restore Configuration file
- Configuration by RS232 console (8-port model only)

General Specifications

- AC power : AC100V-240V, DC12V/1.5A,50/60 Hz
- Temperature: 0°C to 45°C (Operation)
- Humidity: up to 90% non-condensing
- Emmision: FCC Part 15 Class B, CE Mark
- Telephone Safety : FCC Part 68
- Dimension & Weight:

2/4 port model:	260x130x35 mm	900 g
8 port model:	300x160x35 mm	1200 g

Ordering Information

RG-200	1 WAN, 4 LAN, 2FXS
RG-201	1 WAN, 4 LAN, 1FXS+1FXO
RG-400	1 WAN, 4 LAN, 4FXS
RG-401	1 WAN, 4 LAN, 3FXS+1FXO
RG-402	1 WAN, 4 LAN, 2FXS+2FXO
RG-404	1 WAN, 4 LAN, 4FXO
RG-800	1 WAN, 1 LAN, 8FXS
RG-802	1 WAN, 1 LAN, 6FXS+2FXO
RG-804	1 WAN, 1 LAN, 4FXS+4FXO
RG-808	1 WAN, 1 LAN, 8FXO

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