

# GATEWAY

# EG202 Series

NEXT GENERATION NETWORK

**EG202** series is the next generation VoIP Gateway that provides a cost-saving solution for small business/home users on their telecommunication needs. The EG202 series is following the open standard RFC-3261 SIP protocol to make sure that the user can easily install this device on most of the existing VoIP (Voice over IP) services. The EG202 series also provides flexible call out function between PSTN call and VoIP call through Ethernet or modem connection.

## Feature Highlights

- With the built-in LCD display, the user can easily configure the EG202 series for first time installation in a few minutes.
- Call waiting, Last number redial, Call forward/transfer
- Volume adjustment (incoming and outgoing voice volume)
- PSTN backup function allows users to maintain PSTN phone service and VoIP service at the same time
- Built-in V.34 modem function (EMG202 only)

## Gateway Models Comparison Chart

Model Name	RJ45 Ethernet Interface	Built-in V.34 Modem
EG202	1	
EMG202	1	✓



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## Technical Specifications

### Routing

- TCP/IP
- ICMP
- ARP
- PPPoE Client
- DHCP Client
- PPTP Client with MPPE
- SNTP Client
- DNS Client
- TFTP Client
- HTTP Client
- HTTP Server

### Voice Features

- SIP (RFC3261) version 2
- SDP (RFC2327)
- RTP (RFC1889)
- RTCP (RFC1890)
- Voice CODEC: G.711a/u law, G.729ab, G.723.1(5.3kbps, 6.3kbps)
- CNG (Comfort Noise Generation)
- VAD (Voice Activity Detection)
- Silence Suppression/Detection
- Frame Lost Concealment
- Call Progress Tone Generation
- G.165/G.168 Echo Cancellation
- Programmable Gain Control
- Adjustable Audio Frame per Packet
- Adaptive Jitter Buffer Control
- Inband DTMF, Out-Of-Band DTMF Relay (RFC2833, SIP INFO)
- E.164 Numbering & ENUM Support

- Support TOS & Diffserv Tagging
- VLAN Tagging (802.1p/q)
- SIP Proxy Redundancy via DNS SRV
- Caller ID: DTMF, FSK (Bellcore & ETSI) Detection and Generation

### PSTN Backup

- Make a PSTN Call by Dialing Pre-fix Number
- PSTN Relay when Network Failure
- PSTN Relay when Service is Unavailable
- PSTN Relay when Device Power Down
- Receive Incoming PSTN Phone Call

### Modem Features (EMG202 only)

- Built-in Dial-up V.34 Modem Function

### Call Features

- Call Hold / Call Retrieve
- Call Pickup
- Call Forward – Unconditional, Busy, No Answer
- Call Transfer – Blind, Consultant
- Caller ID Support (Name & Number)
- DND (Do Not Disturb)
- Early Media
- Music on Hold
- Distinctive Ringing
- Intercom
- MWI (Message Waiting Indicator, RFC3842)
- CLIP (Calling Line Identification Presentation)

- CLIR (Calling Line Identification Restriction)
- Dial Plan
- Call Logs (Missed, Incoming, Outgoing)

### NAT Traversal

- Simple Traversal of UDP over NAT (STUN, RFC3849)
- Outbound Proxy

### Management

- Keypad Menu Configuration
- Local/Remote Web Management
- Remote FTP/HTTP Firmware Upgrade
- Configuration Backup/Restore
- APS (Auto Provision Server) via TFTP/HTTP/HTTPS
- Resync Event Support
- 2-tier Web and Management : Administrator and User Access Authority
- Syslog
- Snmptrap
- Ping

### Indicator Lights/LED

- VoIP Call Indicator
- Network Information Indicator (EG202 only)
- Modem Connection Indicator (EMG202 only)

## Physical & Environment Specifications

### Interface

- WAN : One RJ45 10M/100M Auto MDI/MDIX Ethernet Port
- Phone : One RJ11 Port for Analog Telephone Service
- Line : One RJ11 Port Connect to PSTN Line (Built-in V.34 Modem for EMG202 only)
- 2x16 Characters Backlight LCD
- Keypad with 2 Buttons

### Power Output

- DC 12V, 1A
- Through AC 100V to 240V 50/60Hz input power

### Dimensions

- 10cm(W)x14.8cm(D)x5.3cm(H)

### Weight

- 210g

### Operating Temperature

- 32~104 °F (0 ~ 40 °C)

### Operating Humidity

- 10%-95%, non-condensing

### Certification

- FCC Class B
- CE