

E(M)G202 series is the next generation VoIP Gateway that provides a cost-saving solution for small business/home users on their telecommunication needs. The E(M)G202 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 E(M)G202 series also provides flexible call out function between PSTN call and VoIP call through Ethernet or modem connection

Key Features

Feature Highlights

With the built-in LCD display, the user can easily configure the E(M)G202 series for first time installation in a few minutes.

Call waiting, Last number redial, Call forward

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)

Routing

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

Voice Features

SIP(RFC3261) Version2
SDP(RFC2327)
RTP(RFC1889)
RTCP(RFC1890)
Voice CODEC: G.711a/u law, G.729a/b, 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)
- Support TOS & Diffserv Tagging
- VLAN Tagging(802.1 p/q)
- SIP Proxy Redundancy via DNS SRV
- Caller ID: DTMF, FSK(Bellcore & ETSI) Detection and Generation

PSTN Backup

- 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 Dail-up V3.4 Modem Fuction

Call Features

- Call Retrieve
- Call Pickup
- Call Forward – Immediate, Busy, No Answer
- Caller ID Support (Name & Number)
- DND (Do Not Disturb)
- Distinctive Ringing
- 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
- Snmptap
- Ping

Indicator Lights/LED

VoIP Call Indicator

Network Information Indicator (E(M)G202 only)

Modem Connection Indicator (EMG202 only)