

# EGW-802/EGW-804 VoIP Gateway

## Product Overview

antek EGW-802/EGW-804 are both SIP and H.323 compliant with one/two modules supporting 2/4 phone/line ports and one Ethernet interface VoIP gateway. A telephone, fax machine, PBX, or the PSTN line can be directly connected to the gateway and gain the benefit of Voice over IP immediately with no additional software or complicated configuration required. Equipped with the best DSP solutions supporting both G.723.1A and G729AB CODEC and echo cancellation and others, the gateway achieves best quality and efficiencies in the VoIP field.

## Key Features and Benefits

### Support standard SIP and H323 Protocol

### FXS port can generate reversal battery signal

### Quality of Service

The 802.1p and Type of Service (ToS) feature of EGW802/EGW804 guarantees end-to-end voice quality in a managed network. In addition, when interfacing to a very unstable Internet network where it is most likely to encounter a 20% packet loss rate, users may hear chopped, low-quality voice. The unique robust voice/fax recovery algorithm of EGW-802/EGW-804 can largely compensate the packet loss rate effect of the Internet and give users a stable voice quality.

### NAT pass-through

It can be configured to pass through any general NAT or Firewall device.

### Dynamic IP Support

It allows existing addressing schemes to remain without the need of fixed IP address. It can directly connect to the DHCP enabled cable modem, or PPPoE equipped ADSL modem, which uses dynamic IP address to link to Internet.

### FXO port can learn PBX/PSTN busy/disconnect tone cadence automatically

There are no any FXO hang-on problems in our FXO port to connect world-wide PBX/PSTN system, except there are no any busy/disconnect tone cadence generate from this PBX/PSTN system when user hang-off this call.

### Advanced Dialing Plan

Advanced dialing plan and address mapping make connection to PABX a simple job. It gives versatile and flexible dialing to any destinations. It also supports "hot line" direct through connection.

### Wildcard

It can be configured to use wildcard as its PABX extensions, significantly simplifying dialing plan for Intranet VoIP applications.

### Security

It offers onboard two-level password for administrator and user configuration (Telnet login, browser login, and console login)

### Management Tools

It supports full remote management ability with its embedded Telnet server and HTTP server.

### Others

Automatic/Manual control of jitter buffer, manual gain control.



EGW-804



EGW-802

## Specification

### Protocol and Standard

RFC 2543/3261 SIP support, ITU H.323 v2/v3/v4 compliant, RTP RTCP compliant

Remote Management: Web-based Graphical User Interface (GUI) and Telnet

DHCP Server/Client and PPPoE support  
Dynamic DNS and NAT Pass Through

### Voice Compression

ITU G.711/64kbps, G.723.1A/5.3,6.3kbps, G.729A/B/8kbps  
Voice Activity Detection (VAD), Comfort Noise Generation (CNG)

### Tone Generation and Detection

TIA-464B DTMF, Dial, Busy, Ring Back, Call Progress.

### FAX Relay

T.30 and T.38 real-time FAX compliant. Data/Voice/FAX auto-switch.

### Echo Cancellation

G.165/G.168 compliant with 8-16ms echo tail.

### Software Upgrade

FTP/TFTP

### PSTN and Network Interface

EGW-802	2 FXO, 1 LAN	EGW-804	4 FXO, 1 LAN
EGW-802S	2 FXS, 1 LAN	EGW-804S	4 FXS, 1 LAN
EGW-802A	1 FXS + 1 FXO, 1 LAN	EGW-804A	2 FXS + 2 FXO, 1 LAN
		EGW-804B	1 FXS + 3 FXO, 1 LAN
		EGW-804C	3 FXS + 1 FXO, 1 LAN

Ethernet ports: 10Base-T and 100Base-T, speed configurable, IEEE802.3 compatible

### Console

Serial Console Port: RS-232/DB-9

### LED Indicators

LAN: 10/100M

Line (off-hook/ringing), Phone (off-hook/ringing), Power

### Power

100~240V AC, 50~60 Hz to 12V DC, 1.2A power adapter

### Environmental

Humidity: 10~90%, non-condensing,

Operating temp: 0~50 degrees C,

Storage temp: -10~70 degrees C

### Dimension and Weight

EGW-802: 190mm (L) x 110mm (W) x 35mm (H), 0.5 Kg

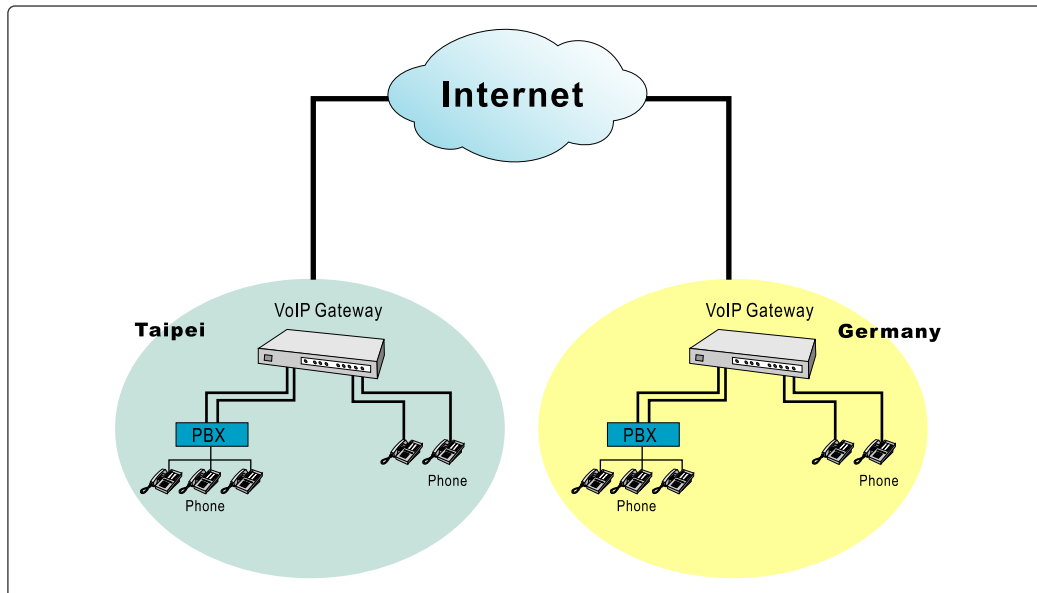
EGW-804: 240mm (L) x 165mm (W) x 36mm (H), 1.2 +/- 0.1 Kg

### EMC

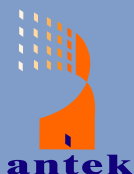
FCC part 15 Class B, CE mark, VCCI

### Vibration and Drop

IEC 68-2-36, IEC 68-2-6, EC 68-2-32



- Toll free inter-office call
- Simple remote extension call
- Toll free long distance call



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