# OpenVox

# G400P/G400E Series GSM Card Datasheet

## Features

- Modular Design for GSM channels
- Up to 4 Simultaneous GSM Calls ( Per PCI or PCI-E slot )
- LEDs indicate the network status
- Fast call setup
- IMEI and PIN modification
- DTMF detection
- GSM data connections
- GPRS data connections
- Quad-Band GSM/GPRS 850/ 900/1800/1900 MHz
- Suitable for universal 3.3 volts and 5.0 volts 32 bit PCI or PCI-E slots
- Worldwide usable: Configurable line interface to meet global telephone line interface requirements
- RoHS compliant
- Certificates: CE, FCC

### Operating System
**Linux (all versions, releases and distributions from 1.0 up)**

## Requirements

- RAM 128 + MB Linux
- Kernel 2.4.X or 2.6.X
- CPU 1000+ MHZ
- PCI or PCI-E slot

## Environments

- Temperature:   0 ~50°C (Operation)
            -40 ~125°C (Storage)
- Humidity:     10 ~90% NON-CONDENSING

## Overview

OpenVox G400P and G400E provide scalable connectivity to GSM networks for your linux machine. It comes with fully GPLed drivers for the linux 2.4.X and 2.6.X kernels. The OpenVox GSM cards can be connected to any other OpenVox card to build a real TDM switched PBX.

G400P/G400E series GSM card enables full flexibility to traditional telephony systems to go GSM network. It also allows systems integrators to transform highly priced fixed to mobile voice traffic into a much cheaper mobile to mobile call management, with considerable savings.
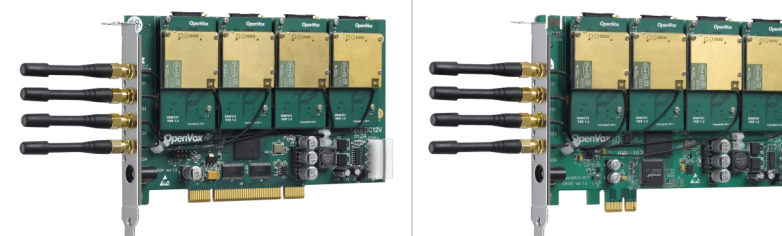
G400P and G400E all work with Asterisk®, Elastix®, FreeSWITCH™, PBX in a Flash, trixbox®, Yate™ and IPPBX/IVR projects as well as other Open Source and proprietary PBX, Switch, IVR, and VoIP gateway applications.

| Pictures / Items | G400P | G400E |
|---|---|---|
| Products | G400P | G400E |
| GSM Module Number | 4 | 4 |
| LED Indicators | 4 | 4 |
| Bus Type | PCI 2.2+ | PCI-E 1.0+ |
| Dimensions (mm) | 179×99×16 | 179×99×16 |
| Weight (g) | 225 | 220 |
| DTMF Detection | ✓ | ✓ |
| IMEI and PIN modification | ✓ | ✓ |
| Firmware Field Upgrade | ✓ | ✓ |
| Interrupt PIN Selection | N/A | N/A |
| Interrupt Frequency Modification | N/A | N/A |

## Target  Applications

- GSM connectivity for PBX
- Mobile PBX
- GSM VoIP gateway
- SMS gateway
- GSM callback services

3-Month "No Questions Asked" Return Policy
Five Year Warranty

There are 4 LEDs on the board. Each one indicates the working status of each SIM card. The detail explainations are as follows:

- LED off: SIM card does not work
- 64ms On/800ms: SIM card does not find the network(64ms On/800ms means the LED is light on 64ms then go out 800ms)
- 64ms On/3000ms:SIM card finds the network
- 64ms On/300ms: GPRS communication