

Portable Call Generators and SIM Server Systems



Portable Call Generators (PCG) are man portable, easy to operate, mobile phone “relay” systems that use a Single Board Computer (SBC) and a GSM Private Branch Exchange (PBX) gateway to create an untraceable conference call bridge between mobile phones and other mobile phones or land lines.

These systems serve as proxies that allow callers to place calls through the PCG and avoid dialing the called party directly. Bridging calls on the PCG creates two separate and disassociated call records in the carrier’s billing system, which eliminates any record of a direct relationship between the caller and the called party. Instead what is created is one call record from the caller to the PCG and a disassociated second call record from the PCG to the called party.

SIM Server systems are commercial rack mounted appliances that perform all PCG features on a larger scale. SIM Servers offer additional capabilities.

PCGs and SIM Server systems are complete telephone call centers. These highly programmable systems are expandable, modular and can be programmed to perform any function found in commercial telephone systems **and much more !** PCGs are designed to be “left behind” and can be programmed remotely over the Internet or “over the air” through built in GSM mobile phone modems.



Portable Call Generators and SIM Servers:

- are extremely flexible and easy to program using a browser window.
- run the industry standard Asterisk open source VoIP software.
- combine multiple GSM mobile phone radios in one small package.
- keep complete logs of all calls dialed and text messages.
- operate on 110 or 220 volt AC, 12 volts DC or batteries.
- use secure authorization codes for access and control.
- can be managed and updated remotely using IP or Over-The-Air (OTA).

PCGs and SIM Servers allow software defined, programmable IMEI and IMSI identity management.

Portable Call Generators and SIM Server Systems



PCG fly-away cases are modular and sold with 4, 8, 16 or 32 SIM card channel banks.

For even greater capacity, SIM Servers host 32 SIM cards per computer board. The rack mounted SIM Server back plane allows up to 18 cards to be installed together on a single server to support a total of 576 SIM cards.

RIVA's PCG and SIM Server systems are designed to support the Asterisk open source VoIP software, as well as other standard SIP based VoIP systems.

Asterisk software allows RIVA to turn a Single Board Computer (SBC) into a vibrant communications server.

Asterisk powers Internet Protocol systems, VoIP gateways, SIM card servers and more.

Asterisk is free, so there are no license fees. Asterisk is open source, so functions and features are constantly expanding and improving.

RIVA Network's PCGs and SIM Server systems are in the field today serving a number of important missions. Contact a RIVA representative to learn more about how these tools can help you meet your requirements.



By supporting the open source Asterisk PBX software, all features essential to the PCG tasks, as well as countless other possibilities can be incorporated.

Some important features include:

- Voice Mail
- SMS messaging
- Conference calling
- Caller ID manipulations
- Automated Attendant
- Authentication
- Call forwarding
- Call forward on busy
- Call forward on no answer
- Call monitoring
- Call recording
- Call snooping
- Speed dialing
- Time and date stamping