



## GX DUO

### Portable GSM Firewall and Analysis Tool

The cellXion range of GX & UGX Cellular Intercept, Firewall & Analysis products are designed to provide Law Enforcement, Security Services and Military officers with a comprehensive set of tools to combat the growing use of mobile communications technology in crime and terrorism.

#### KEY FEATURES

- Compact portable device designed for simple deployment in a rucksack or sports bag and supplied with Android Smart phone controller (or optional Windows notebook pc).
- Contains two fully functional commercial grade 200mW GSM transceivers (900/1800MHz or 850/1900MHz or custom combination) with excellent RF performance in high multi-path environments.
- The transceivers are independently configurable for all network parameters and can transmit between 0.1mW and maximum power in 2dB steps.
- Built-in 'environment monitor' to assess all GSM networks in the area, their respective configurations, and provide information to optimize user configuration of the BTS modules.
- Comprehensive identification of IMSI, IMEI and TMSI information with dynamic control capability including comprehensive denial of service.
- Simultaneous high speed acquisition of handsets (> 200 per minute transceiver) across two GSM networks.
- The optional 'In Network Calling' allows calls within the GX system (GSM only).
- cellXion 'Feels Like' function uses BCCH manipulation to give a virtual power effect of up to several hundred watts.
- Comprehensive MySQL database featuring handsets cross-referenced against IMEI, and networks against PLMN.
- The unique cellXion software client and GUI (graphical user interface) is consistent across the entire range of cellXion GX & UGX cellular intercept products.
- Optional GX DUO Power Amplifier for vehicle fitting to provide increased power capability to 20W per GSM transceiver channel.
- Optional Covert Call (TK) software application to provide a covert call capability to lock a target handset for direction finding using the cellXion MSL or other suitable DF systems.
- Optional Measurement Reports (MR) software application to provide handset geo-location and a mapping interface using timing advance, RxLev & RxQal measurement.



## SPECIFICATION

- Dimensions: W256mm x D250mm x H90mm
- Weight: 5kg
- Two 200mW GSM transceivers
- Can be powered by battery, 12-32V DC, or mains via an AC adaptor
- Can be powered by lithium laptop batteries (not supplied)
- Optional Power amplifier for vehicle fitting to give 20W GSM
- Power Amp runs off of 12-32Vdc input power, 24Vdc recommended
- Transmit Power Control in 2dB steps down to 0.1mW (130mW on Amp)
- GSM05.05 Receiver Compliance
- Commercial Grade hardware
- "Feels Like" function makes cell more attractive to UEs
- Each transceiver independently configurable
- Heat dependent fan assisted cooling
- 110v or 220V ac mains power supply included
- Amplifier automatically detected by client software
- Integrated 802.11b/g Wireless Router
- Internet facing firewall for remote client operation and remote support
- Web server provides software for Client PCs
- Web interface supports software updates for all modules

## ALTERNATIVE CONFIGURATION

- Also available in GSM850/1900 variant [USA]
- Compatible with various Direction Finding (DF) equipment for enhanced geo-location capability



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