

# Mi-OGC

## Off-Grid Communication

**Mi-OGC** enables communications between smartphones without the need for cellular or WiFi network. It is designed to work in the ISM 900MHz band. Point-to-point communication is up to 5km LOS, with mesh networking allowing it to be extended over longer distances.



### Overview

Mi-OGC is a device that connects to your existing smartphone and enables it to communicate with other smartphones when there is no cellular service or WiFi network. It allows you to send and receive voice and text messages, use offline maps, share your location with other Mi-OGC users within range, as well as act as a backup battery for your smartphone.

Mi-OGC has a point-to-point range of up to 5km LOS. With mesh networking, this communication link can be further extended.

### Features

Mi-OGC comprises the following features:

- **ISM 900MHz Band**  
Better wave propagation hence longer communication range in 900MHz band.
- **Text Messaging**  
Free text messaging, independent of any cellular or data carrier charges.
- **Navigation**  
Offline map, location sharing, emergency location beacon are among the many useful navigation features of Mi-OGC.
- **Mesh Networking**  
Extended communication range, useful in LOS and NLOS situation.
- **Water Resistant and Dust Tight (IP65)**  
Mi-OGC can be deployed in harsh outdoor or stringent indoor environments for reliable communication.
- **Rechargeable 3000 mAh Battery**  
Keeps your phone fully charged, anywhere, anytime.

### Technology Benefits

The benefits of Mi-OGC are:

- **Community Networking**  
Enables a local community to be always connected and informed at all times.
- **Emergency Network**  
Mi-OGC is a standalone device that works independent of a cellular or WiFi network.
- **Secure Communication**  
The audio and text messages sent through Mi-OGC are encrypted for a secure communication.
- **Safety**  
Being able to communicate, anywhere, anytime.

### Applications

Security and Public Safety, Local Communities, Outdoor Enthusiasts, Event Management

