

# CBRSYS4420

Portable Quad Channel  
Backpack Solution



## Main Features



LTE/UMTS/GSM



Quad Channel



Wearable Unit



Android GUI



Remote Operation



Multi-Band  
Support

The CBRSYS4420 is a quad channel backpack solution based on CBRBTS Small Cell platforms and includes a multi band RF front end. It is designed for Search and Rescue Applications. Quad channels coupled with sufficient TX power enables reliable and quick cellular identifications. Platforms ship with an easy to use Android GUI with self configuration capabilities.

The CBRSYS4420 is a self contained fully integrated multi band quad radio backpack solution. Each radio has max TX power of 2W in GSM and upto 0.6W in 3G/LTE.

The backpack includes cellular/GPS/WiFi antennas. It includes slots for portable MIL grade batteries. The platform also includes a power hub taking care of power distribution and fan control. The platform includes an easy to use Android GUI. It requires minimal user configuration to setup a mission, based on which it scans the environment and self configures the different radios. Advanced configuration options are also available.



## Applications

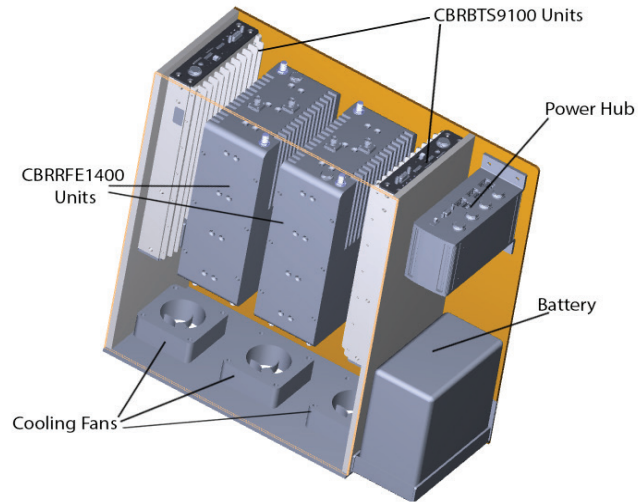
Search and Rescue

Disaster Recovery

Target Tracking



## Backpack Internals



Available options:

- ① Omni or Directional TX Antennas
- ② Optional embedded 3G/LTE UE module for remote control
- ③ Fully Assembled or separate parts

## Technical Description

### Connectivity Interfaces

Wi-Fi	IEEE802.11a/b/g/n 2.4GHz-5GHz
USB Port	USB 2.0 and USB OTG ports
Digital Expansion port	Ethernet, UART, I2C and GPIOs
Commercial Cellular Connectivity	Available with 3G/LTE connectivity

### RF Specifications

Supported Bands	700MHz to 3.0GHz
Transmitted RF power	GSM: 2W   3G/LTE: 600mW (Per Channel)

### Software

Protocol	4G, 3G, 2G
Power supply battery	22V - 34V DC

### Mechanical

Size	350mm x 325mm x 120mm
Temperature	0°C - 45°C
Weight	~8Kg

### Android GUI

