

# ResQMobil Backpack

ResQMobil Backpack – a compact mobile communication pico network for emergency response and rescue operations.

## OVERVIEW

ResQMobil Backpack is a 360-degree micro mobile network solution that enables first-responders to quickly set up voice, data and SMS services in disaster-hit areas.

Available in a backpack with integrated battery, it offers specialised emergency services like bulk SMS, and helps in geo-location tracking during search and rescue operations.

Multiple Backpacks can network on a standard IP-interface. Thus, multiple teams can have one backpack each in a single location or a larger team can have multiple backpacks in different locations.

## FEATURES

- Critical communications for emergency management teams
- 3GPP compliant - operates on all standard GSM frequency bands and GSM handsets
- Geo-location services based on GPS and other positioning methods used by supported devices
- Search and rescue operations such as revealing location of trapped, buried or missing victims by tracking their mobile devices
- Emergency services like bulk SMS with emergency advice (eg evacuation instructions) to all mobiles in coverage area
- Includes a high-gain antenna and a tripod for extending range during operation
- Extra battery pack available for longer hours of operation

## BENEFITS

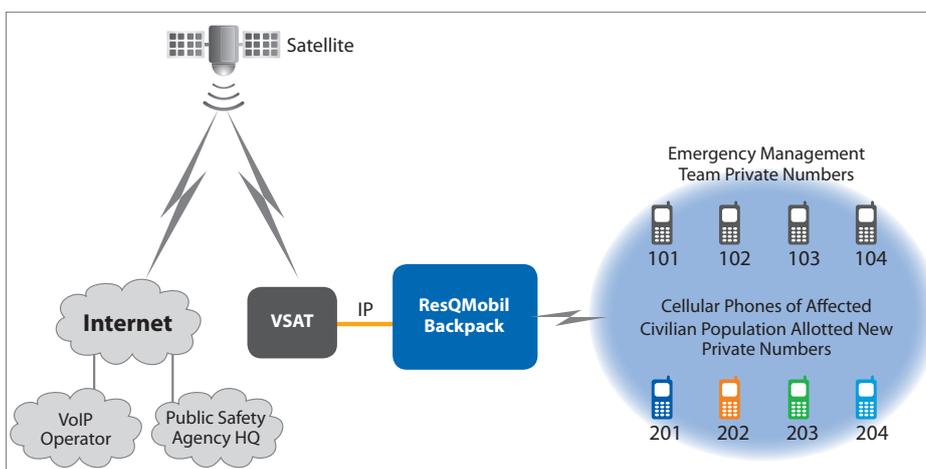
- Strengthen emergency response by providing quick mobile communication in areas beyond the reach of public networks
- Easily set up temporary mobile communication services in disaster-hit areas until public networks are restored
- Supports both stationary and on-the-move rescue operations - backpack, vehicle, or helicopter/drone mounted
- Can be set up by anyone – just hand-carry and switch on power for instant mobile service



ResQMobil Backpack

## HIGHLIGHTS

- 14 concurrent voice calls – congestion-free services and reserved capacity for priority users; standalone operation
- Registers 1000 users - mobile services for large number of cellular phones of affected civilians
- 400 Kbps uplink and 400 Kbps downlink packet data throughput - supports images, short video clips, and group chat applications
- 24 hours battery time on a single charge
- Consumes modest backhaul bandwidth for external connectivity - less than 128 Kbps backhaul required for 14 concurrent voice calls routed outside



ResQMobil Backpack Deployment

Related Products: ResQMobil Case, ResQMobil Trailer

[www.vnl.in](http://www.vnl.in)

[www.bsnl.co.in](http://www.bsnl.co.in)