

# EXPLORER Mobile Net

Tactical Single-Case Cellular Network Solution

# COBHAM

2014 Data Sheet

The most important thing we build is trust



## EXPLORER Mobile Net

The EXPLORER Mobile Net is a fully integrated, one-case tactical cellular network solution for private, reliable cellular communications in the most demanding of environments and locations, where previously thought impossible. Within a single kit, Mobile Net operates up to two Picocells simultaneously, plus WiFi. Users may deploy one, or any two, of the supported cellular frequency options. No other solution on the market today can offer the same range, features and functionality in such a cost-effective manner.

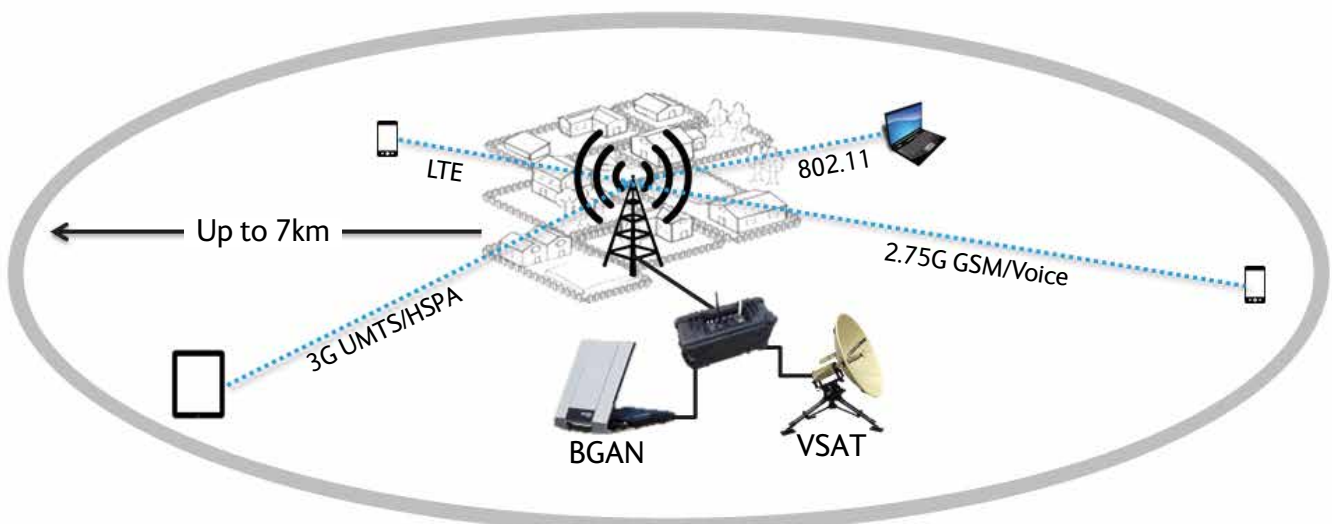
## System Features

- Easy to use – simple operation with web-based GUI
- Backhaul – interconnect to private PBX or global phone networks over Satellite, WiFi, WAN/LAN or even 3G/LTE USB modem
- Reliable Comms – voice, SMS and data
- Rapidly Deployable – under 10 minutes
- Lightweight, Portable – airline carry-on case, take your kit with you
- Full Integration – IP PBX, wireless carrier and/or PSTN
- Unbeatable Range – up to 7km
- Unique Network Configuration “Capture & Enable” for ALL users or pre-register for private secure coverage bubble
- Cost savings – free calls, SMS and data within network, integrate to PBX or link to affordable global service package with Cobham’s partners
- Scalable – capacity for 1000+ users to access the system at once
- DOD Compliant – successfully meets Information Assurance standards (with optional licenses)
- Dark Mode – autonomous operation for full voice/data operation with no backhaul. Peer-2-Peer comms in a private coverage bubble

## Applications

- Military/Intel – Voice & Data Comms anywhere as private bubble or globally connected for interoperability
- First Responder/Disaster Response – Instant cellular coverage in under 10 minutes
- Executive/Commercial – Instant coverage on land, vehicle or at sea. Pop-up coverage for camps or special events

## Private Portable Cellular/Mobile Network



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## Key Benefits

### Affordable

- Leverage commercial cellular smartphone technology
- No roaming costs within deployed cellular network and affordable connections through backhaul and interoperability to PSTN/PBX systems

### Network

- Opportunistic and versatile
- Deployable secure, integrated cellular; Military Tactical Networks
- Commercial 2G, 3G, LTE
- Beyond Line of Sight (BLOS) – SATCOM
- Private dedicated coverage and capacity



Connection Panel

## Operational Specifications

### Frequencies

Deploy one, or any two (operating simultaneously), of the options below in a single kit:

- GSM (900/1800/1900) supports up to 7 Voice or data channels per Picocell
- 3G (Band 1, 2/5) supports up to 16 users per Picocell
- LTE (Band 1 - 5, 7, 10, 12, 17, 20) supports up to 16 users per Picocell

### Range

- GSM, 3G, LTE from 1 to 7 km (band, terrain, interference, amplifier and antenna dependent)
- WiFi – Up to 200M standard; Up to 750M with amplifier and antenna options

### Ports

- 2 External antenna ports
- 1 External WiFi antenna port
- 2 Internal USB charging/program ports
- 3 Internal & external ethernet ports

### Power

- Power input 120-240 VAC or 13-36 VDC
- 1.5hr built-in battery pack

## About Cobham SATCOM

Cobham SATCOM offers the most comprehensive range of land-mobile satellite terminals for voice, data and multimedia communication in the market. The EXPLORER family of VSAT and Inmarsat BGAN terminals fulfils critical communications needs and reduces system configuration requirements for end users through highly reliable and easy-to-use solutions. Cobham SATCOM develops compact and lightweight terminals for mobile and vehicular use across diverse sectors including Government, Emergency Response, Law Enforcement, Media Broadcasting, Transportation, Energy and Mining.

Cobham SATCOM Land has partnered with SiRRAN Communications small cells software technology to deliver the best design, hardware and software elements into the EXPLORER Mobile Traveller Series of portable communications.



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## Packaging Options

- Airline carry-on size rugged casing  
Dimensions: 55.9L x 35.1W x 22.9H cm (22"x14"x9")
- Weight: 14.5kg+ (32lbs+) (config dependent)
- Optional rucksack kit available

Specifications subject to change without notice.