

SATPAK

Create Internet Access in Impossible Locations

Scenario 1: SATPAK relays satellite Internet into areas previously inaccessible to Internet signal (tunnel, mountain valley, urban canyon, etc.)

ISSUE:

BGAN and VSAT satellite systems only provide voice/data capabilities when the end user is able to see the satellite Line-Of-Sight (LOS).

However, numerous situations exist where it is impossible to obtain signal in the desired operations area; these non-LOS (nLOS) locations include "urban canyons", tunnels and mountain valleys where the signal is blocked by buildings or terrain.

SOLUTION:

The SATPAK enables agency operations in locations where satellite or cellular service was previously unavailable. Simply deploy the self-powered SATPAK, then connect to the satellite from your nLOS operational location.

FEATURES:

- » Augments mobile EOC or TACPAK satellite/cellular capability
- » Customizable to your unique agency specifications
- » Project satellite/cellular Internet to remote team site
- » Cost effectively leverage existing agency assets
- » 3 mile data range
- » 54 Mbps reachback wireless Internet
- » Stand alone operation
- » UPS/solar power

Satellite signal relayed from LOS building roof to nLOS MEOC on street.



"Urban canyon" operations out of satellite LOS

SATPAK deployed to signal available site (rooftop, ridgeline, tunnel entrance, etc.)

SATPAK deployed to signal available site (rooftop, ridgeline, tunnel entrance, etc.) Designed for unattended operations.

Wireless satellite signal relay from LOS ridge down to nLOS valley operations.



Military team operations in valley out of satellite LOS

SAR team operations in valley out of satellite LOS

308 SYSTEMS

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SATPAK

Throw Internet into Remote Team Locations

Scenario 2: SATPAK projects your basecamp satellite/cellular Internet to your remote teams, who share the signal via local WiFi.

ISSUE:

Local basecamp operations have satellite/cellular signal, however teams need to be deployed to adjacent remote locations and still utilize the basecamp satellite/cellular.

SOLUTION:

Local basecamp satcom/cellular is relayed via SATPAK to the deployed team locations, thereby creating a larger operational area and leveraging existing agency satcom/cellular assets.

SATPAK COMPONENTS:

Environmentally Sealed Case with Integrated Hardware

Map Light with Dimmer

120-240 VAC / 12-35 VDC Power Supply

54 Mbps Data Link Radios

Triple Pipe Cellular/Wifi Router

Extended Life Batteries

AC and DC Power Outlets

Solar Panels

Antenna Supports

Satellite Modem

Basecamp satellite/cellular signal projected to additional deployed teams

Existing Local
Basecamp
Satcom

Remote
Unattended
Operations
Site

Remote teams share basecamp
cellular and satcom via
802.11 LAN. Designed for
unattended operation.



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