
# Vehicular Network System (VNS)

## Combining LTE and Satellite Connectivity for true “go anywhere” vehicle connectivity

### VNS Essentials:

- Rugged IVR with multiple ports, automatic failover/ failback capabilities and local WiFi broadcast capability
- LTE, Wi-Fi & GPS (5-in-1) roof mount antenna
- Satellite Solutions VNS Bundle-Satellite antenna, transceiver and service plan
- FirstNet LTE Mobile Pool Plan

### Benefits:

- Provides communications for public safety vehicles virtually everywhere
- Supports both LTE and Satellite connectivity
- Option to purchase individual or the entire VNS system components
- Intelligent Management automatically fails over to satellite when the LTE cellular network coverage ends or unavailable

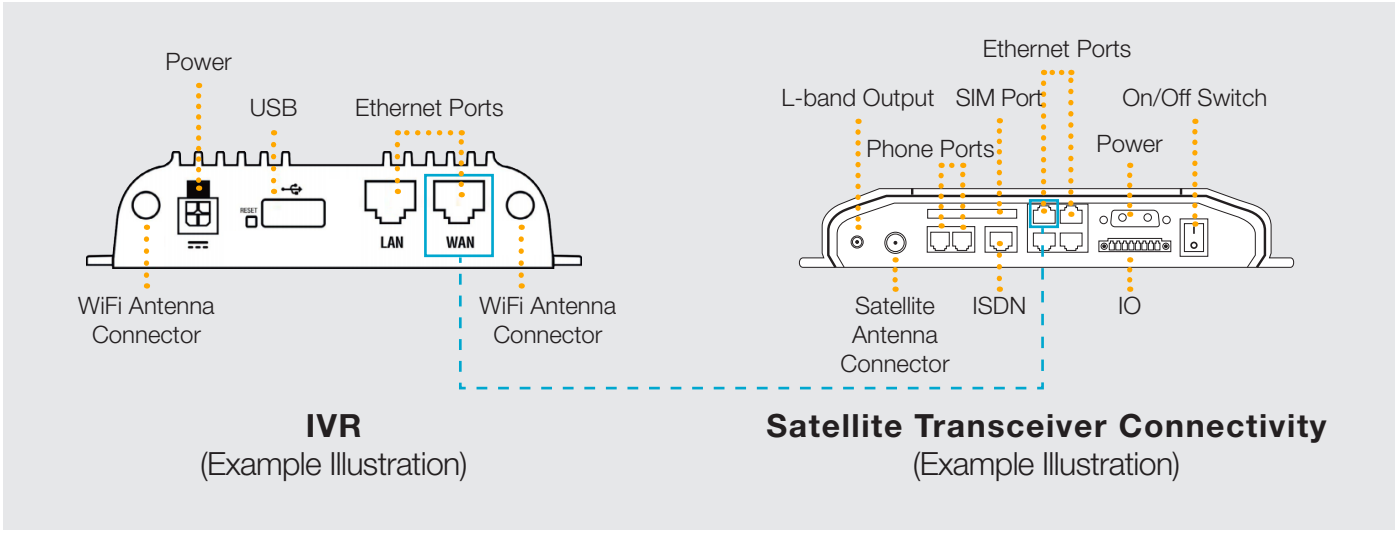
Wrapped into a comprehensive solution, VNS utilizes cellular and satellite to provide reliable connectivity to in- vehicle communications and offers the option of extending that connectivity via a WiFi “bubble” to a small number of users outside the vehicle.

Developed to meet the needs of public safety, VNS is a new category of satellite-enabled communications that combines the best of LTE supplemented by Inmarsat’s satellite network, delivering expanded connectivity when no LTE coverage is present.

When disasters occur or calls for emergency services take place in areas outside of LTE cellular connectivity, the VNS solution creates an alternative communication path to satellite for continuous first responder communications. With no intervention on the users’ part, Intelligent Management automatically routes voice and data traffic via the most reliable network available.

It combines an off-the-shelf In-Vehicle Router (IVR) system with multiple communication inputs and the ability to intelligently select between the connectivity paths. One input slot is used for LTE cellular and serves as the primary connection. The second input slot connects to Inmarsat’s satellite network and is utilized whenever LTE coverage is unavailable or based on rules set by the user to manage costs.

VNS systems can support multiple use cases. From man portable antennas that offer speeds up to 492 kbps (Standard Background IP) and can




**IVR**
(Example Illustration)

**Satellite Transceiver Connectivity**
(Example Illustration)

be stored in a trunk or magnetically mounted vehicular roof antennas that can be used while moving. VNS systems can serve as an important piece of an overall connectivity strategy that supplements LTE with satellite for a limited number of users. Larger incidents requiring connectivity for large numbers of users can be addressed on a situational basis, such as the use of a “deployable” cell tower.

## To Purchase or Learn More

Contact your FirstNet Specialist
www.firstnet.com

For more information on SATCOM solutions for FirstNet, visit www.inmarsatgov.com/firstnet/

## Inmarsat BGAN Antennas

inmarsat GOVERNMENT

| | Voice | VTC | Internet | FTP | Email | Users |
|---|---|---|---|---|---|---|
| Explorer 323 | X | | X | X | X | 1-2 |
| Explorer 325 | X | | X | X | X | 1-2 |
| Explorer 510 | X | | X | X | X | 1-2 |
| Explorer 710 | X | X | X | X | X | 1-3 |
| Explorer 727 | X | X | X | X | X | 3-5 |