

## FUSION \ \ LTE CELLULAR-VSAT SOLUTION

The FUSION combines iDirect's DVB-S2/DVB-S2X\* satellite remote with Cradlepoint's LTE cellular modem, creating a converged solution able to deliver reliable data communication for several use cases where physical path redundancy is critical.

As a result, customers are able to reach more end users with highly available, reliable connectivity opening up new opportunities for business. There are several key markets and applications that benefit from this hybrid approach including Enterprise & Retail, Maritime, and Government & Emergency Response.

The FUSION provides maximum flexibility with automated VSAT/LTE failover and fallback and consolidates what typically required a multi-box configuration into a 1U rack-mounted form factor. This cost-effective single box solution reduces the hardware footprint, simplifies installation, and allows service providers to design and deploy services which aggregate LTE and VSAT billing under a single bill to the end-customer.

The remotes also have all of the leading iDirect platform features such as DVB-S2/DVB-S2X\* on the outbound and Adaptive TDMA on the return, Layer 2 over Satellite (L2oS), and advanced mobility. The FUSION is deployed and managed by the iDirect network management system (NMS) while the Cradlepoint LTE router is managed by NetCloud Manager.

### FIRST HYBRID LTE REMOTE

#### SUMMARY FEATURES

- VSAT/LTE failover and fallback
- Traffic Steering w/ WAN affinity
- Advanced VPN connectivity
- QoS (DSCP and Priority Queuing)
- Dual SIM card Slot
- DVB-S2/S2X\*, ATDMA
- Multicast Overlay

#### EMBEDDED LTE ROUTER

CradlePoint IBR 900/IBR650C Series of Dual SIM mobile routers

#### MARKETS SERVED

Enterprise/Retail, Maritime, Emergency Response, Disaster Recovery, Government, Rural Broadband



[www.ipinternational.net](http://www.ipinternational.net)

[sales@ipinternational.net](mailto:sales@ipinternational.net)

949-655-1000



# FUSION APPLICATIONS

## SECURE BANKING AND ATM RESILIENCY

By providing both LTE and VSAT connectivity in a single box, the FUSION can be deployed in remote bank/ATM locations giving the integrator flexibility in their installation. If both connectivity types are available at the remote location, the FUSION will be able to choose the best path with the ability to failover/fallback between LTE and Satellite.

## FIRST RESPONDERS / MOBILE COMMAND

When responding to major emergencies like natural disasters, first responders need to be able to communicate. When the local infrastructure has been destroyed, first responders can leverage the FUSION's VSAT connection. Once the LTE network has been restored first responders can then switch to the lower cost LTE connection.

## OIL AND GAS TENDER VESSELS

Offshore oilfield operators have long been relying on VSAT connectivity. As OSV and tender vessels are evolving into remote enterprise offices, the FUSION provides smart connectivity and optimized network usage, bringing together the benefits of higher speeds, lower latency of LTE when available, with the ubiquity of VSAT. By providing automatic network diversity, the FUSION enables digitization for cost savings, compliance, real-time data reporting, enhanced decision-making and greater accountability.

## RURAL BROADBAND AND USO

As governments in developing countries extend connectivity to rural and remote areas, they can streamline their deployments with a single box solution. The FUSION provides both wireless and VSAT connectivity, wherever either is available or commercially feasible, and caters to multiple types of sponsored projects that can stimulate economic growth.