

EMERGENCY COMMUNICATIONS LTE (ECLTE) SOLUTION OVERVIEW



Unrivaled Certainty™ for Emergency Services

Isotropic's Emergency Communications LTE (ECLTE) offers you the ability to expand your existing VSAT system to work with terrestrial-based LTE networks without the expense of installing a completely new communication system.

With the ECLTE, you can add an iDirect iQ200 LTE modem with dual SIM cards and customizable, fail-over redundancy to any existing VSAT platform and gain the ability to switch seamlessly between VSAT and LTE networks to ensure the unrivaled certainty you expect and need when it matters most.

The ECLTE is supported by Isotropic's customizable service plans, which are designed to fit the unique needs of each user.



WORKS WITH ANY EXISTING VSAT SYSTEM

The ECLTE is designed to enhance and expand the capabilities of any existing VSAT system.



DESIGNED FOR MOBILITY

The ECLTE offers a single box, converged solution combining high-performance VSAT features with an integrated LTE cellular modem, making it an ideal mobile solution.



VSAT/LTE FAIL-OVER

The ECLTE allows any VSAT system to move seamlessly between satellite and terrestrial networks automatically to ensure uninterrupted connectivity.



INSIGHTS-DRIVEN

All Isotropic products work with Datadragon™, an intuitive bandwidth management platform offering application-level transparency and bandwidth allocation capabilities.



FLEXIBLE SERVICE PLANS

Isotropic offers flat-rate service plans designed to scale and work with any VSAT or hybrid systems.

ECLTE SPECIFICATIONS

iDIRECT IQ 200 LTE MODEM

The iQ LTE is part of ST Engineering iDirect's DVB-S2/S2X modem series with a software-defined architecture for maximum flexibility and expansion. Combined with an internal 4G-LTE modem, this first-in-class modem delivers reliable and persistent communications across a wide range of use cases. Featuring an integrated Cradlepoint LTE cellular modem, the solution offers fully automated VSAT/LTE failover and failback, WAN link affinity steering, advanced VPN connectivity, and an available SD-WAN option for robust enterprise grade communications.

DATADRAGON

Datadragon is an award-winning bandwidth management and service platform from Isotropic that enables never-before-possible levels of application-level transparency, optimization, and personalization across any single or hybrid network. Through Datadragon's proprietary bandwidth monitoring platform, users have real-time visibility into internet usage so they can proactively analyze and address everything from service requests to billing issues.

Datadragon's patented algorithm, paired with state-of-the-art AI technology, offers detailed insights into day-to-day user activities and provides the ability to optimize and prioritize bandwidth allocation according to end users' needs.

Datadragon solves inherent issues found when scaling network visibility solutions with flow data based on Netflow and IPFIX. Datadragon's learning classification engine reclassifies a flow at a minimum rate of once per second through a patented solution. This provides unprecedented network visibility in terms of scale, cost, flexibility, accuracy, and real-time usability.

The Datadragon platform operates in a fully software-based virtual appliance that can be integrated via API/PCRF and deployed across different points in a network so users can apply automatic assurances of capacity to every network flow, dynamically based on real-time usage.

SERVICE PACKAGES

Isotropic maintains relentlessly high standards of service and is continually raising the bar for what satellite connectivity can be. Building on that legacy, the ECLTE is supported by Isotropic's standard 20x5 Mbps flat-rate service plan or customized service solutions designed specifically for emergency service teams.

For more information on the ECLTE, contact Isotropic at sales@isotropic.network.