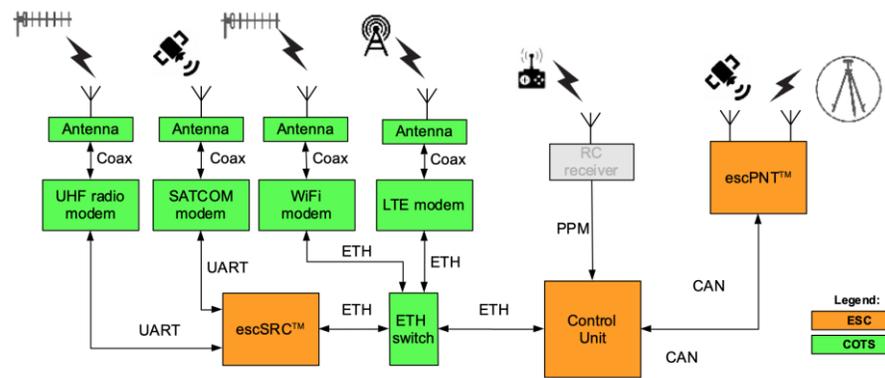




escSRC™ - Secure and Resilient Multi-channel Communication

escSRC™ provides an affordable, small, light, low-power solution (low SWaP) for secure and resilient multi-channel communication applicable across multiple markets, and mission/business needs.



Data communication format: TCP/IP or UDP
Multi-Channel Connectivity: Wi-Fi: 802.11 b/g/n, Mobile network: 4G LTE, 3G; Radio: frequency range of 902-928MH; SatCom: Iridium®

Features

- **Bi-directional data transfer** leveraging multiple channels, including **WiFi, LTE, Radio and SATCOM**
- **Fully automated channel switching** during data transfer, selects best available channel based on predefined parameters: channel availability, data transfer speed, data transfer cost
No data loss during channel switching
Fast data encryption (AES encryption in CBC mode)
Data integrity with CRC checksums
Port forwarding – redirects communication requests from ground station to OBC (on board computer) or CU (central unit) and other way around
- **Highly configurable**, uses telecommands – possibility to specify data filters and encryption settings for individual channels



Optimized, fully automated communication channel switching enables resilient communications to increase mission effectiveness and reduce operational costs.