

# EDGE

## Capabilities

EDGE is a purpose built modular expeditionary mission command system that provides On-The-Move (OTM)/At-the-Halt (ATH) vehicle agnostic network capability. EDGE supports comprehensive network connectivity delivering expeditionary Command, Control, Communications, Computers, and Intelligence (C4I) to the tactical edge. EDGE delivers resilient Line and Beyond Line of Sight (LOS/BLOS) voice and data communication sharing by bridging Upper and Lower Tactical Internet through MANET, multi-orbit SATCOM and IP networks. It provides automated Primary, Alternate, Contingency, and Emergency (PACE) for both permissive and non-permissive operational environments. This system is suited for a wide-range of operational environments from Tactical Operations Centers (TOC) to ad hoc demand for quick reaction teams operating OTM.



### Operational Advantages:

- Reliable end-to-end communication with six organic LOS & BLOS transport layers Low Earth Orbit (LEO, 5G/LTE, UHF/VHF/L/S/C).
- Three agnostic universal tactical radio adapters provide full interoperability with legacy and future communications.
- Vehicle platform agnostic, designed for full mobility across all tactical and non-tactical platforms.
- Integration hub for UAS, UGV, and EW assets.
- Multiply ease of connectivity with the ability to plug-n-play 10 additional transport nodes.
- Self-reliant, providing an automated network architecture.
- Access an extendable network with the auto PACE between tactical and mid-tier MANET with ATH and OTM satellite networks.



- Organic to EDGE:
  - Silent Watch Auxiliary Power System (SWAPS) battery system provides up to 15 hours of silent watch power
  - SWAPS is vehicle agnostic
  - Capable of taking power from CONUS & OCONUS power sources
- 1-year Iridium® Service — Iridium LEO Certus® network plan for voice and data
- 1-year Cradle Point Service — global/commercial cellular airtime plan
- EDGE can integrate:
  - MANET/tactical radios (AN/PRC-148 series, AN/PRC-163, MPU5, StreamCaster, and TrellisWare® TW-950)
  - Iridium LEO satellite (Certus Constellation)
  - 3G/4G/LTE capable
  - Multi-orbit satellite (LEO, MEO, KU, Ka, X band)
    - Tampa Microwave Scout terminals
    - Get SAT terminal solutions
    - Kymeta™ terminal solutions
    - Starlink/Starshield
    - Private LTE capable

Specifications are subject to change without notice.

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