THALES

Building a future we can all trust

Expeditionary Data and Gateway Equipment (EDGE)-Lite
Capabilities

EDGE-Lite is a modular expeditionary mission command system that provides On-The-Move (OTM)/At-The-Halt (ATH) agnostic network capability. EDGE-Lite supports mobile network connectivity delivering Command, Control, Communications, Computers, and Intelligence (C4I) through resilient Line and Beyond Line of Sight (LOS/BLOS) voice and data communication sharing. The kit provides automated Primary, Alternate, Contingency, and Emergency (PACE) for both permissive and non-permissive operational environments and is suited for a wide-range of operational environments from Tactical Operations Centers to ad hoc demand for quick reaction teams operating OTM.

Operational Advantages:

- EDGE-Lite allows users at the tactical edge to act decisively with real-time information from local and cloud-based command/control systems.

- Provides a robust and rugged SWaP product that is mobile across all vehicle platforms and/or hard site installations; designed to operate in austere environments.

- Accepts a broad range of AC/DC voltage and is operational autonomously for 6–12 hours with two installed BB-2590 batteries. (runtime dependent on internal transport layers active.)

- Offers the option to combine upper Tactical Internet (TI) with lower TI transport layers with automated fail-over between nodes using least cost routing algorithms.

- Security enclave is user defined and able to serve on Secret, Unclassified, and Sensitive But Unclassified-Encrypted (SBU-E) network systems.

- Facilitates integration with other data sharing devices through Power over Ethernet (PoE) connections.

- Consists of a reliable pole-to-pole transport layer (MissionLINK®) that provides both BLOS and OTM voice and data.

- Radio agnostic: users can configure the local network infrastructure through a wide assortment of tactical radio options.

- Transport layers that can integrate with EDGE-Lite:
  - MANET/tactical radios (AN/PRC-148 series, AN/PRC-163, MPU5, StreamCaster, and TrellisWare® TW-950)
  - Iridium® (low earth orbit) satellite (Certus® Constellation)
  - 3G/4G/LTE capable
  - Multiorbit 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.

Thales Defense & Security, Inc.

22605 Gateway Center Drive | Clarksburg, MD 20871
TF+1.800.914.0303 | P: +1.240.864.7643
solutions@thalesdsi.com | www.thalesdsi.com