

# Expeditionary Data and Gateway Equipment (EDGE)-Lite Capabilities

The EDGE-Lite is an expeditionary C4I (Command, Control, Communications, Computers, and Intelligence) man-portable system, that provides an automated PACE (Primary, Alternate, Contingency, and Emergency) plan for today's battlefield. EDGE-Lite also provides persistent, redundant, and EW resilient communications that can be utilized in both permissive and non-permissive operational environments.



## Operational Advantages:

- EDGE-Lite is the next evolution in the EDGE family of systems that allows users at the tactical edge to act decisively with real-time information from local and cloud-based Battle Management Systems.
- Provides users 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.
- EDGE-Lite's security enclave is user defined and able to serve on Secret, Unclassified, and SBU-E network systems.
- Facilitates the ability to integrate with other data sharing devices through Power over Ethernet (PoE) connections.
- EDGE-Lite consists of a reliable pole-to-pole transport layer (MissionLINK®) that provides both Beyond Line Of Sight (BLOS) and On The Move (OTM) voice and data.
- 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 family, AN/PRC-163, MPU5, StreamCaster, and TrellisWare® TW-950)
    - 3G/4G/5G/LTE capable
    - Iridium® (low earth orbit) satellite (Certus® Constellation)
    - Inmarsat (Slingshot)
    - Geostationary satellite (KU/Ka/X band)
      - Tampa Microwave Scout terminals, etc.
    - Kymeta™ product line
    - Starlink
    - Fenix Banshee Tactical Radio (BTR)

## Configurations

### Specifications

- Size:**  
21.20 inches (53.85 cm) length x 16 inches (40.64 cm) width  
x 10.6 inches (26.92 cm) depth
- Weight:**  
49 pounds (22.26 kg)
- Power Input:**  
AC 120/240V, 50–60Hz, 360W DC 9–36V
- Environmental:**  
Case is MIL-STD-810G 516.6  
Components are individually rated by manufacturer



Specifications are subject to change without notice.

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