

Description

Provides mobile, ad hoc, ubiquitous communications for existing radios or radios in development.

Forms stable environments in harsh operating environments where traditional networking solutions fail.

Uses

- First Responders
- Unmanned Systems
- Sensor Networks
- Multiple Autonomous Vehicles
- Military Networks
- Personnel Mobile Tracking Networks
- Vehicles

Attributes

Networking

Produces a custom full scale network solution using a combination of our software and hardware components

- IPv4 and IPv6 support
- DHCP support
- Supports exterior routes for external networks across the wireless domain
- SNMP v2c agent for efficient network management
- Web-based interface for easy node configuration
- Automatic packet classification without application changes

Quality of Service with Mechanized Prioritization

Multiple distinct priority classifications with an unparalleled, flexible quality of service engine that configures to meet changing missions objectives

Location Management

Meets the need for small, battery-powered ad hoc networks and includes location management support to track personnel and equipment within various environments

Highly Adaptable

Handles the dynamic environments that traditional networking solutions cannot tolerate

Zero Administration

No network operator intervention for non-secure networks and minimal administration for secure networks

Customizable

- Custom enclosures
- Custom processor boards
- Custom radio/data links to meet various data rates/ranges
- Custom protocol development for extreme, unique conditions

Security

Supports link-layer encryption for FIPS 140-2 communications

Flexible Radio Options

Designed for flexible integration of other radios with a diverse selection of COTS and custom radio solutions

Routing Features

- OLSR
- OLSR with Link Quality
- OLSR with FSR Optimizations