

# NAVNET Navigator II™

Long-range datalinks with embedded GPS



Whether tracking assets on the range, scoring a wargaming exercise in real-time, or monitoring remote data collection nodes, Intuicom's NAVNET Navigator II datalinks can support your fixed and mobile communications needs.

Applications include:

- Blue Force Vehicle & Asset tracking
- Unmanned Vehicles
- Sensor Networks
- Security Systems
- Target Tracking & Scoring
- Infrastructure Monitoring
- Unattended Weapons

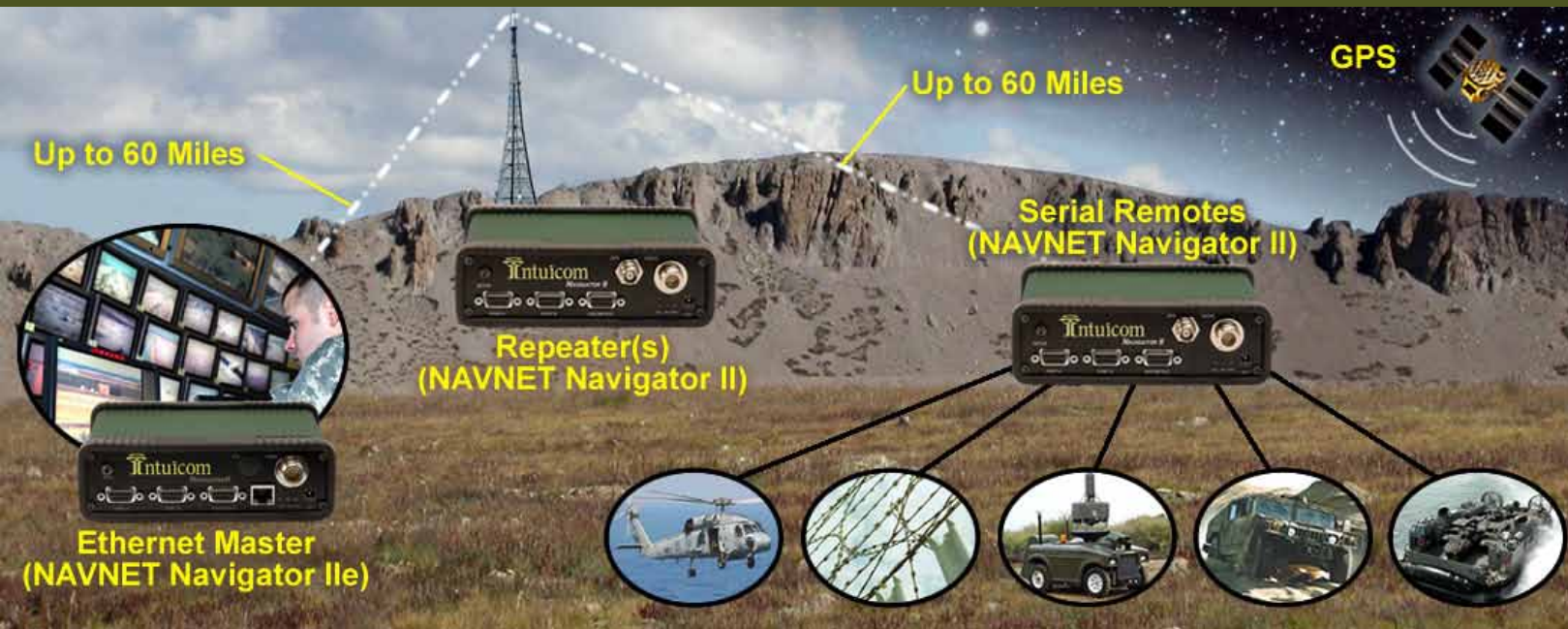


*Navigator II*



*Navigator IIe*

# NAVNET Navigator II™



## Key Features

- >60 mile LOS range per hop (multi-hop BLOS range extension)
- Secure FHSS (Frequency Hopping Spread Spectrum)
- Configurable fixed channel operation
- Up to 3 serial RS232 ports (Navigator II)
- TTL GPIO option: 4 inputs & 3 outputs (Navigator II)
- TCP/IP addressable
- Ethernet interface (Navigator IIe)
- Embedded GPS (C/A)

## General Specifications

- Operating Bands:
  - 228-235 MHz
  - 277-284 MHz
- 115 Kbps throughput (75% channel availability, no repeater)
- Network Topologies: Point-to-Multipoint, Point-to-Point, & TDMA
- Supply Power:
  - 7.5 to 30 VDC; 12 W (228-235 MHz version)
  - 7.5 to 30 VDC; 12 W (277-284 MHz version)
- Size: (H) 53mm x (W) 167mm x (L) 143mm
- Wt: 851 g
- Operating Temperature: -30°C to +75°C

## Transmitter

- RF Output Power:
  - 2 W (228-235 MHz)
  - 2 W (277-284 MHz)
- Modulation: GFSK Spread Spectrum
- Occupied BW: 230KHz

## Receiver

- Sensitivity: -106dBm
- Selectivity: 40dB @ 230KHz

## GPS

- 16 Channel; C/A
- 2.5m accuracy WAAS enabled
- <1M (DGPS corrected)

## Accessories

- Antennas
  - Omni & Yagi Fixed Location
  - Mobile Combo (GPS & RF)
- Coax Cables
- Mounting Hardware

NOTE: Specifications subject to change without notice

INTUICOM INC.  
1880 SOUTH FLATIRON COURT • BOULDER, CO 80301 • USA  
T: 303-449-4330 • F: 303-449-4346  
E-mail: info@intuicom.com • www.intuicom.com

Intuicom