

NAVNET MP-2™

Long-range datalinks with embedded GPS



Whether scoring a wargaming exercise in real-time, tracking assets on the range, or collecting data from remote buoys, Intuicom's NAVNET MP-2 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



NAVNET MP-2e



NAVNET MP-2

NAVNET MP-2 Wireless Data Networks



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 (NAVNET MP-2)
- TTL GPIO option: 4 inputs & 3 outputs (NAVNET MP-2)
- Ethernet interface (NAVNET MP-2e)
- Embedded GPS (C/A)

General Specifications

- Operating Bands:
 - 228-235 MHz
 - 277-284 MHz
 - 225-400 MHz
 - 1350-1390 MHz
- 115Kbps 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)
 - 9.5 to 14 VDC; 36 W (225-400 MHz version)
 - 6 to 30VDC; 11 W (1350-1390 MHz version)
- Size: (H) 70mm x (W) 165mm x (L) 225mm
- Weight: 1.5 kg
- Operating Temperature: -30°C to +75° C

Transmitter

- RF Output Power:
 - 2 W (228-235 MHz)
 - 2 W (277-284 MHz)
 - 4 W (225-400 MHz)
 - 1 W (1350-1390 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