



RAELink3

Wireless Modem with Integrated
Global Positioning System



The RAELink3 modem allows integration of many RAE Systems gas and radiation monitors, and select third-party devices into a wireless detection system. Monitors linked with a RAELink3 modem can communicate sensor data and GPS coordinates to a command center's PC running ProRAE Guardian software up to 2 miles (3 km) away. Bluetooth® connectivity, a user-friendly display and easy-to-use menu simplify the configuration and use of the RAELink3.

KEY FEATURES

Integrated

- GPS equipped for tracking and viewing sensors and personnel on a local mapping area
- Bluetooth-equipped for wireless connection option to monitors
- Long-range radio to transmit system information up to 2 miles (3 km) in urban setting

Versatile

- Easily configure in the field to interface with other ProRAE Guardian networked monitors
- Programmable as a Host modem, to Repeater, to Remote modem as needed

Easy to Use

- Backlit display with intuitive interface
- Radio strength indicator on LCD

Durable

- Weatherproof
- Shock resistant
- Up to 18 hours run time on single charge

APPLICATIONS

- Incident Response
- Venue Protection
- Industrial Safety
- Perimeter Monitoring
- Confined Space Entry
- Pulp and Paper Industry
- Plant Turnarounds
- Marine and Offshore Wells

- View and track sensors and responders downrange
- Deploy quickly and easily
- Merge multiple detection technologies on one viewing platform
- Integrate two devices with one RAELink3 using Bluetooth and a serial cable



UltraRAE 3000 with RAELink3 used for screening potentially hazardous leaks



RAELink3

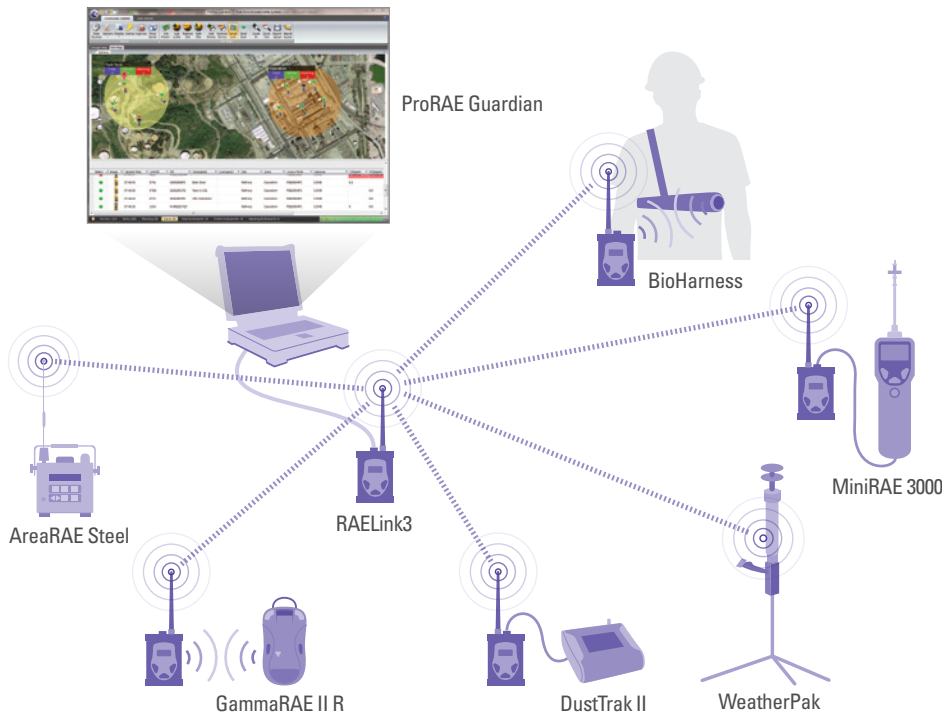
Wireless Modem with Integrated Global Positioning System



SPECIFICATIONS

| | |
|-----------------------|---|
| Size | 4.73" L x 3.4" W x 1.85" H (12cm x 8.65cm x 4.7cm) without antenna |
| Weight | 17.3 oz (490 g) |
| Battery | Rechargeable, 7.4V/1650mAh, Lithium-ion external battery pack with charging station (6 hour charging time), and alkaline adapter (5 x AA) |
| External Power Supply | 12VDC 500mA |
| Operating Hours | Up to 18 hours continuous operation on a charge |
| Operating Temperature | -4° to 131° F (-20° to +55° C) |
| Humidity | 0% to 95% relative humidity (non-condensing) |
| IP Rating | IP-65 |
| GPS Accuracy | Within 5 meters |
| Peak RF Power | 1 watt (+30dBm) |
| Range | Up to 2 miles (3 km) |
| Interface | RS-232 or Bluetooth 2.0 |
| Keypad | Three operation and programming keys |
| Display | LCD, 128 X 64 |
| Safety Certifications | Class I, Division 2 Groups A, B, C, D T4 |
| Wireless Frequency | ISM license free band (902 - 928 MHz) |
| Wireless Approvals | FCC Part 15, Others ¹ |
| Radio Module | Supports RM900A, BTM431 |

¹ Contact RAE Systems for country specific wireless approvals and certificates. Specifications are subject to change.



RAELINK3 COMMUNICATION KITS

RAELink3 Communication Kit enables communication between a variety of RAE Systems' wireless monitors and ProRAE Guardian. Custom RAELink3 Communication Kits are also available for select third-party devices. Check the RAE Systems web site for the latest listing of compatible third-party devices.

RAE SYSTEMS-COMPATIBLE MONITORS

- GammaRAE II R Personal Radiation Detector
- MiniRAE 3000, ppbRAE 3000 and UltraRAE 3000 Photoionization Detectors
- AreaRAE Steel

RAELINK3 COMMUNICATION KIT INCLUDES:

- RAELink3 modem equipped with GPS, Bluetooth, and long-range radio
- Rugged antenna
- Charging adapter and AC/DC adapter alkaline battery pack
- Hard transport case
- Quick reference guide and resource CD
- RS-232 cable (for connection to devices not equipped with Bluetooth)

ORDERING INFORMATION

Part Numbers

| | |
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| RAELink3 Modem (902-928 MHz, Bluetooth) | 029-0505-000 |
|--|--------------|

Contact RAE Systems for other frequency options.

CORPORATE HEADQUARTERS

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