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**: 4.72" 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/1850mAh, 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, Others¹
- **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

<table>
<thead>
<tr>
<th>Part Numbers</th>
<th>Order Code</th>
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<tbody>
<tr>
<td>RAELink3 Modem</td>
<td>029-0505-000</td>
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</table>

Contact RAE Systems for other frequency options.

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