

# RAELink3

## Wireless Modem with Integrated Global Positioning System



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



RAELink3 modem allows integration of many RAE Systems gas and radiation monitors, and select third-party devices into an AreaRAE wireless detection system. Monitors linked with a RAELink3 modem can communicate sensor data and GPS coordinates to a command center's PC running ProRAE Remote Software up to 2 miles away. Bluetooth connectivity simplifies use with handheld monitors, while a user-friendly display and interface simplify configuration and status checking of the RAELink3.

### Key Features

#### • Integrated

- GPS equipped for tracking and viewing of sensors and first responders on a local mapping area
- Bluetooth equipped for wireless connection option to monitors
- Long range radio to transmit system information up to 2 miles in urban setting

#### • Versatile

- Easily configure in the field to interface with other AreaRAE systems
- Programmable from Host modem, to Repeater, to Remote modem as needed
- Configurable for a variety of monitors and detection technologies

#### • 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



*Hazardous Material Response Team member using MultiRAE Plus and GammaRAE II R with RAELink3*

### Applications

- Incident Response
- Venue Protection
- Industrial Safety
- Perimeter Monitoring
- Confined Space Entry



# RAELink3

## Specifications\*

<b>Size</b>	4.73" L x 3.4" W x 1.85" H (12cm x 8.65cm x 4.7cm) without antenna
<b>Weight</b>	17.3 oz (490 g)
<b>Battery</b>	Rechargeable, 7.4V/1650mAh, lithium-ion external battery pack with charging station (6 hour charging time), and Alkaline adapter (5 x AA)
<b>Operating Hours</b>	Up to 18 hours continuous operation
<b>Operating Temperature</b>	-4° to 131° F (-20° to +55° C)
<b>Humidity</b>	0% to 95% relative humidity (non-condensing)
<b>IP Rating</b>	IP-65
<b>GPS Accuracy</b>	Within 5 meters
<b>Frequency</b>	902-928 MHz (license free ISM band)
<b>Peak RF Power</b>	1 watt (+30dBm)
<b>Range</b>	Up to 2 miles
<b>Interface</b>	RS-232 or Bluetooth
<b>Keypad</b>	Three operation and programming keys
<b>Display</b>	LCD, 128 X 64
<b>Safety Certification</b>	Class I, Division 2 Groups A, B, C, D T4 (ATEX EX 1 pending)

\*Specifications are subject to change



[www.raesystems.com](http://www.raesystems.com)

## RAELink3 Communication Kits

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

### RAE Monitors

- GammaRAE II R Personal Radiation Detector
- MiniRAE 3000, ppbRAE 3000 and UltraRAE 3000 Photoionization Detectors
- ChemRAE Chemical Warfare Agent Detector
- MultiRAE Plus
- MiniRAE 2000
- ppbRAE Plus

### RAELink3 Communication Kit Includes:

- RAELink3 modem equipped with GPS, Bluetooth, and Long Range radio
- Rugged antenna
- Charging cradle 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



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