

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*

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)
Operating Hours	Up to 18 hours continuous operation
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
Frequency	902-928 MHz (license free ISM band)
Peak RF Power	1 watt (+30dBm)
Range	Up to 2 miles
Interface	RS-232 or Bluetooth
Keypad	Three operation and programming keys
Display	LCD, 128 X 64
Safety Certification	Class I, Division 2 Groups A, B, C, D T4 (ATEX EX 1 pending)

*Specifications are subject to change



www.raesystems.com

RAE Systems Inc.
3775 North First Street
San Jose, CA 95134 USA
raesales@raesystems.com

USA/Canada 1-877-723-2878
Europe/Russia +45 8652 5155
Middle East/Australia +971 4 887 5562
China +86 10 58858788
Asia +852 2669 0828

DS-1031-02

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

Part Numbers

RAELink3

RAELink3 Modem (902-928 MHz, Bluetooth)	029-0505-000
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Contact RAE Systems for other frequency options

Toll-Free: 877-723-2878

