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.

- **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**

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

UltraRAE 3000 with RAELink3 used for screening potentially hazardous leaks
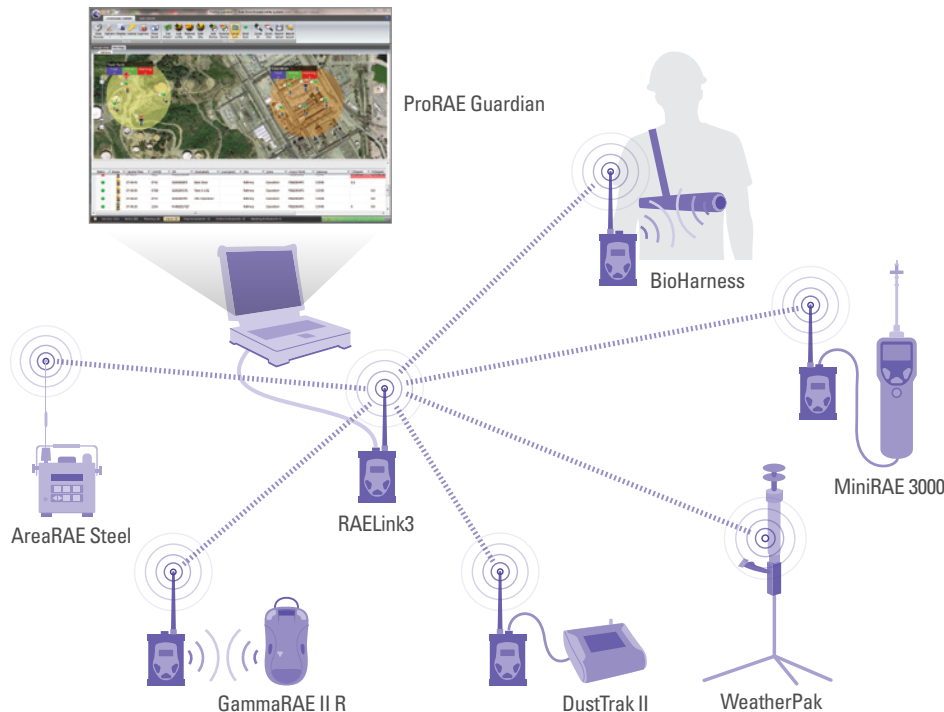
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SPECIFICATIONS

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.

ProRAE Guardian

BioHarness

MiniRAE 3000

AreaRAE Steel

RAELink3

GammaRAE II R

DustTrak II

WeatherPak

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

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

Contact RAE Systems for other frequency options.