

RAELink3 2.4GHz

Wireless Modem for AreaRAE Plus and Pro

The RAE Link3 2.4GHz modem allows integration of AreaRAE Plus and Pro monitors with ProRAE Guardian software. An AreaRAE Plus or Pro linked with a RAE Link3 2.4GHz modem can communicate sensor data to a command center's PC running ProRAE Guardian software up to 1.2 miles (2km) away. One RAE Link3 2.4GHz can connect up to 64 AreaRAE Plus and/or AreaRAE Pro monitors using ProRAE Guardian system.



Key Features

Integrated

- Long-range radio to transmit system information up to 1.2 miles (2km) in urban settings

Versatile

- Easily configure in the field to interface with other ProRAE Guardian networked monitors
- Programmable as a host modem and repeater 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 a 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 AreaRAE Plus and Pro quickly and easily
- Merge multiple detection technologies on one viewing platform

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Wireless Modem for AreaRAE Plus and Pro

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
Peak RF Power	500mW (+27dBm) North America 100mW (20dBm) EU
Range	Up to 1.2 miles (2km)
Interface	RS-232
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 2.4GHz
Wireless Approvals	FCC Part 15, Others ¹
Radio Module	Supports Bluetooth 2.0

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

RAELink3 2.4GHz Communication Kits

RAELink3 2.4GHz Communication Kit enables communication between a variety of RAE Systems wireless monitors and ProRAE Guardian. Custom RAELink3 2.4GHz 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

- AreaRAE Plus and Pro

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

Ordering Information

RAELink3 2.4GHz Modem

029-0607-000

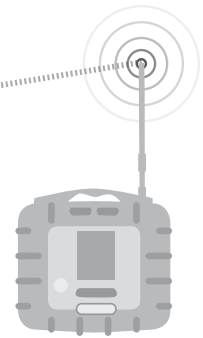
Contact RAE Systems for other frequency options.



ProRAE Guardian



RAE Link3 2.4 GHz Host



AreaRAE Plus / Pro

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Datasheet_RAELink3 24 GHz_DS01185_01
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For more information

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