RDK Ruggedized Host

Turn-Key Wireless Host Controller

RDK Ruggedized Host includes an embedded RAELink wireless modem and ProRAE Guardian safety monitoring software for managing and displaying real-time sensor data from up to 64 remote monitors over a large area. It is built to military standards for extensive deployments in extreme environments. No assembly required: simply power on the RDK Ruggedized Host and begin to communicate with AreaRAE and other portable wireless monitors for assessment of chemical and radiological threats remotely from a safe zone.

- **No setup or configuration required**
- **Real-time situational awareness**
- **Compact and extremely rugged**
- **Seamless integration with other local AreaRAE systems**

KEY FEATURES

- Embedded RAELink modem
- Magnesium case certified to MIL-STD 810F and IP-54
- Rain, dust, and vibration shielding
- Communicates wirelessly with up to 64 remote devices
- Sunlight-readable display
- Resistive touchscreen
- Shock-resistant and electromagnetically shielded
- Removable shock-mounted 2.5" SATA HDD

APPLICATIONS

- Hazardous material response
- Force protection
- Public venue protection
- Industrial safety
- Emergency response
- Environmental remediation

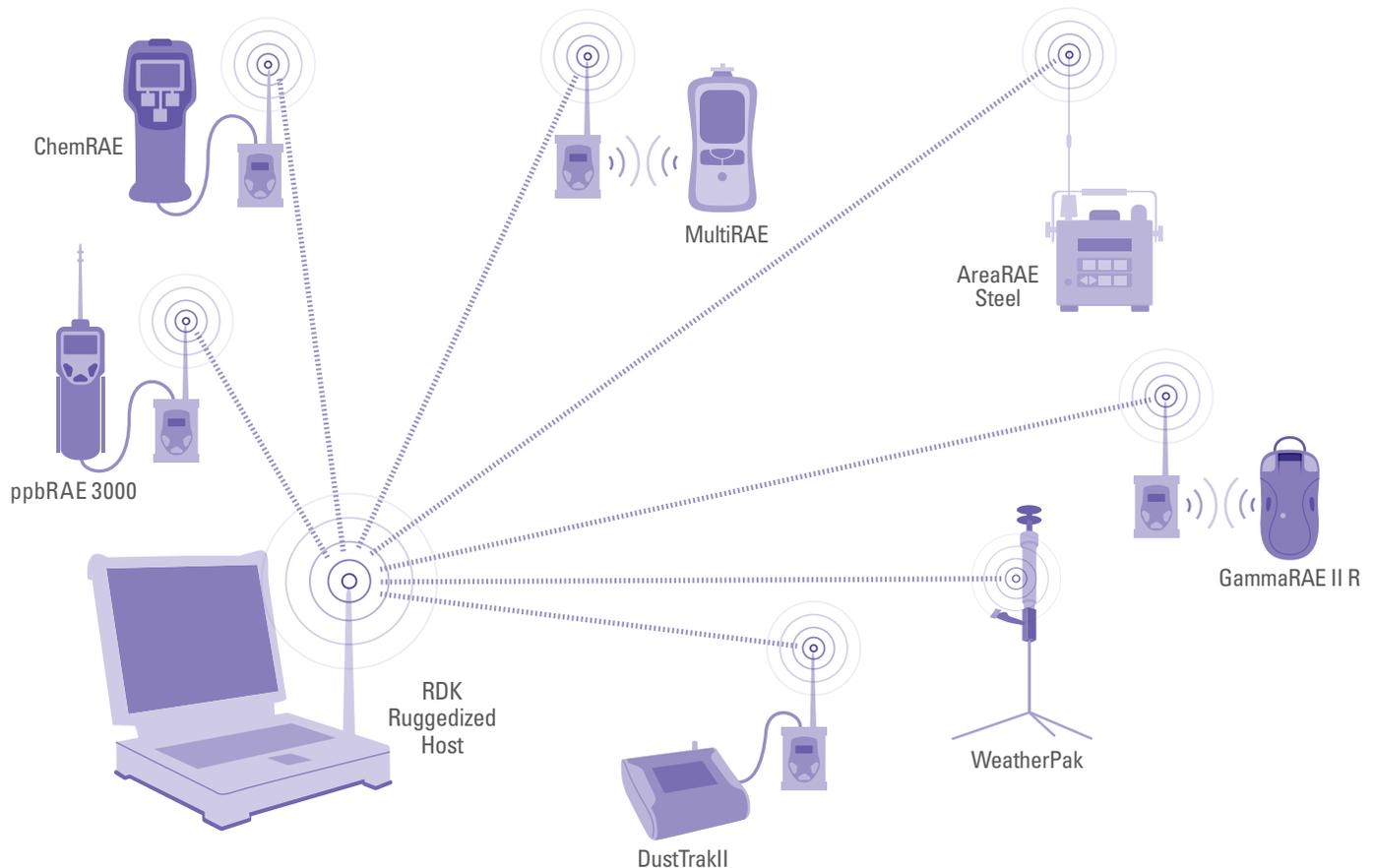RDK Ruggedized Host with integrated RAELink modem device bay

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SPECIFICATIONS

CPU	Intel Core 2 Duo 1.66GHz with 4MB L2 Cache
Display	15.1" XGA active color LCD with sunlight-readable integrated 32-bit 3D/2D GFX core (224MB shared RAM)
Hard Drive	Removable shock-mounted 2.5" 160GB SATA HDD
Memory	2GB DDR2 667MHz DRAM
Optical Drive	DVD-RW interchangeable with RAELink modem
I/O Ports	1 x KB+PS/2 3 x USB 2.0 1 x DVI 1x IEEE 1394 1 x Gb LAN 1 x DC Jack 3 x Audio 1 x Printer 1 x Docking 1 x RGB 1 x Serial DB9
Operating System	Windows® XP Pro
Audio	Built-in AC97 16-bit sound card and stereo speakers

Power	11.1V/7200mAH Lithium-Ion battery Universal AC Adapter 90V~240V 50/60Hz input; 90W max output Complies with military power source AC 110~220V 400Hz input
Operating Hours	Up to 5 hours with modem running (or continuous with AC power)
Operating Temperature	-4° to 131° F (-20° to +55° C)
IP Rating	IP-54
Peak RF Power	1 watt (+30dBm)
Wireless Range	Up to 2 miles (3.2km)
Size	12" L x 3" W x 12" D (304mm L x 76mm W x 304mm D without antenna
Weight	14 lbs (6.35kg)

Specifications are subject to change

ChemRAE

MultiRAE

AreaRAE
Steel

ppbRAE 3000

GammaRAE II R

RDK
Ruggedized
Host

WeatherPak

DustTrakII