

# RDK Ruggedized Host

Turn-Key AreaRAE System Host



RDK Ruggedized Host provides situational awareness of chemical and radiation threats by managing and displaying real-time sensor data from up to 64 remote monitors over a large area. Sensor information may be overlaid on a local mapping area and logged for historical viewing. System data can integrate with third-party software through a local network or be pushed over the web for viewing beyond the wireless range. The RDK Ruggedized Host is built to military standards for extensive deployments in extreme environments. The embedded RAELink modem device bay requires no assembly or configuration: simply power on the controller and start communicating.



**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 electro-magnetically 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*



# RDK Ruggedized Host

## Specifications\*\*

### Controller Specifications

<b>CPU</b>	Intel Core 2 Duo 1.66GHz with 4MB L2 Cache		
<b>Display</b>	15.1" XGA active color LCD with sunlight-readable integrated 32-bit 3D/2D GFX core (224MB shared RAM)		
<b>Hard Drive</b>	Removable shock-mounted 2.5" 160GB SATA HDD		
<b>Memory</b>	2GB DDR2 667MHz DRAM		
<b>Optical Drive</b>	DVD-RW interchangeable with RAELink modem		
<b>I/O Ports</b>	1 x KB+PS/2 1x IEEE 1394 3 x Audio 1 x RGB	3 x USB 2.0 1 x Gb LAN 1 x Printer 1 x Serial DB9	1 x DVI 1 x DC Jack 1 x Docking
<b>Operating System</b>	Windows® XP Pro		
<b>Audio</b>	Built-in AC97 16-bit sound card and stereo speakers		
<b>Power</b>	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		
<b>Operating Hours</b>	Up to 5 hours with modem running (or continuous with AC power)		
<b>Operating Temperature</b>	-4° to 131° F (-20° to +55° C)		
<b>IP Rating</b>	IP-54		
<b>Frequency</b>	902-928 MHz (license-free ISM band)		
<b>Peak RF Power</b>	1 watt (+30dBm)		
<b>Wireless Range</b>	Up to 2 miles (3.2km)		
<b>Size</b>	16.25" W x 12.4" D x 3.03" H (413mm x 316.5mm x 77.2mm) without antenna		
<b>Weight</b>	12.13 lbs (5.5kg)		

\*Specifications are subject to change

## RDK Ruggedized Host Ordering Options

The RDK Ruggedized Host includes an option for mapping to overlay GPS data. The integrated RAELink modem can communicate with all RAELink-family modems and detectors. The modem can easily be reprogrammed in the field to interface with different AreaRAE networks.

## Ordering Information Part Numbers

<b>RDK Ruggedized Host</b>	GV1-S301-000
<b>RDK Ruggedized Host with GPS</b>	GV1-S401-000

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