

# The Leader in Remote Asset Tracking

## PRODUCT FEATURES

Single Header Connector for:  
Power  
On/Off Control  
RS232 9 wire interface  
SMA Antenna Connector to  
connect small omni directional  
L-Band antennas  
Simple AT Command Interface



- Compact Iridium Modem for Remote Monitoring and Control



The 9601 SBD Transceiver combines the global coverage of the Iridium satellite constellation with the low latency of the Iridium Short Burst Data Service (SBD) in a small, low-cost transceiver design. This unit is smaller, lighter, draws less power and costs less than other satellite transceivers. The 9601 is an Iridium manufactured product designed as an OEM module for integration into applications that only use the Iridium Short Burst Data Service. Short Burst Data applications are supported through an RS232 interface. Examples of these solutions include maritime vessel tracking or automatic vehicle tracking.

Because the Iridium Satellite System incorporates 66 low-earth-orbit satellites, the Q9601 can deliver low-latency communications and true global coverage.

Typical global latency of the Q9601 is less than thirty seconds, making the Q9601 appropriate not only for routine communications but also for utilization in applications where delays in communication are unacceptable, such as those involving safety and emergency situations

The Q9601 is an ideal solution for information-critical applications in almost every corner of the globe

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## Features and Benefits



Quakes' communication hardware is designed to operate and perform in the harshest of conditions. Initially designed for the heavy equipment environment, but now widely used in multiple applications, QUAKE communicators can withstand extreme temperatures, shock, electrical interference, and vibration levels. QUAKE provides the latest in global communication and technology at an affordable price. QUAKE solutions give you the option of using the most affordable means of communication by switching between cellular and satellite depending upon your coverage requirements. Responsive to your specific needs, QUAKE has the flexibility to provide hardware or software for your application development.

Our Mission is to deliver the highest quality, universal and affordable satellite communication products used for the tracking and monitoring of high value assets worldwide.

### PHYSICAL SPECIFICATION

Size: 106 mm x 56 mm x 13 mm  
Weight: 117 grams

### SERVICES AVAILABLE

Technical Support  
Software Support  
Hardware Support  
Guaranteed Warranty  
Software Engineering

### APPLICATION INTERFACE

AT Command Set

### OPERATION MODES

Transmit: Communications with satellites  
Standby: Continuous satellite reception  
Sleep: Off: Waits for on/off Control

## System Requirements

### Data Interfaces

RS-232 Interface

### Environmental Specifications & Certifications

Operating temperature: -30C to + 60C  
Storage temperature: -40C to + 85C  
FCC Certified

### Communications

Transmit/Receive Freq: 1616 to 1626.5 MHz  
Max Message (size/latency): Tx 340 Bytes / 20sec Max  
RX 270 Bytes / 20sec Max  
Transmit Power: 2W

### Power

External Power Source: 5+/- .5 VDC  
Transmit: 1.5 A (Peak)  
350mA (Average)  
Standby: 66mA

