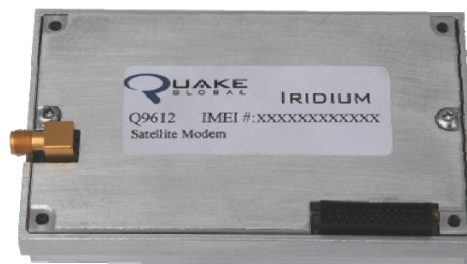


# The Leader in Remote Asset Tracking

## PRODUCT FEATURES

Withstand 12v Automotive Transients  
At Command Interface  
Small, Low-Profile Footprint

- Compact Iridium Modem for Remote Monitoring and Control



The Q9612 satellite transceiver combines the global coverage of the Iridium Satellite Network with the low latency of the Iridium Short Burst Data (SBD) service. This new generation product, contained within a small footprint package, is designed to optimize two-way data links. The Q9612 module has 9-18V power conditioning, can be installed directly onto a 12V vehicle, and is interfaced with an RS-232 serial port. The modem is programmable through an AT Command Set Interface.

Because the Iridium Satellite System incorporates 66 low-earth-orbit satellites, the Q9612 can deliver low-latency communications and true global coverage. Typical global latency of the Q9612 is less than thirty seconds, making the Q9612 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 Q9612 is an ideal solution for information-critical applications in almost every part of the globe.

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San Diego, CA 92124  
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(858) 277-7259 Fax  
[www.quakeglobal.com](http://www.quakeglobal.com)  
[sales@quakeglobal.com](mailto:sales@quakeglobal.com)



# The Leader in Remote Asset Tracking

## PHYSICAL SPECIFICATION

Size: 4.3" x 2.5" x .77" (109mm x 64mm x 19mm)  
Weight: 0.35 lbs (159 grams)

## SERVICES AVAILABLE

Technical Support  
Software Support  
Hardware Support  
Guaranteed Warranty  
Software Engineering

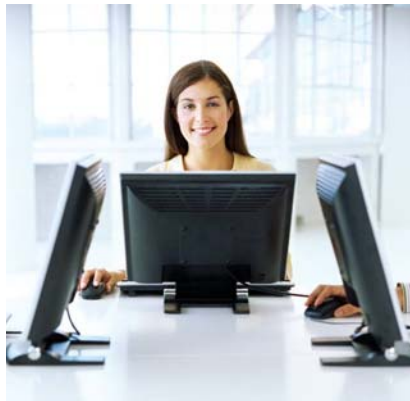
## APPLICATION INTERFACE

AT Command Set

## OPERATION MODES

Transmit: Communications with satellites  
Standby: Continuous satellite reception  
Sleep/DTR - Off: Waits for DTR input

## 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.

## System Requirements

### Data Interfaces

RS-232 Interface

### Environmental Specifications & Certifications

Operating temperature: -35C to + 70C  
Storage temperature: -40C to + 85C  
FCC Certified

### Communications

Transmit/Receive Freq: 1610 to 1625 MHz  
Max Message (size/latency): Tx 340 Bytes / 20sec Max  
RX 270 Bytes / 20sec Max  
Transmit Power: 2W

### Power

External Power Source: 9 - 18VDC  
Transmit: 500 - 850mA (nominal)  
Standby: 80mA  
Sleep: 30uA

