Leader in remote asset tracking

TECNOSEGUR

- Smallest Orbcomm Satellite Modem
- Configuration Options
- Robust and Reliable Operation

This small satellite modem is designed for developers who may already have a solution that includes a controller and who want to incorporate global satellite based communications into their application. The Q1000 provides a simple serial interface which allows solutions to be integrated with minimal development.

A key feature of the Q1000 is that the developer may choose from a multitude of configurations. There are RF connector options, interface connector options and serial port options. This broad array of options provides the developers with unprecedented flexibility, allowing them to design a "custom" modem into their application.

TheQ1000 uses a simple 6-pin connection; two pins are used for input power. The data interface to the module is an RS-232 or an optional CMOS serial connection. Four pins (RX, TX, DTR, and GND) are all that are needed to send and receive data. The DTR line works as the modem's "ON/OFF" switch. With DTR asserted the modem is "ON", with DTR de-asserted the modem is "OFF" The Q1000 supports the ORBCOMM serial protocol interface.

This device is small, basic, and a perfect product for introducing a low-cost satellite modem dynamic to your tracking or remotely controlled application.

TECNOSEGUR

QUAKE GLOBAL

Leader in remote asset tracking

INDUSTRIAL STRENGTH
Withstands extreme shock and vibration levels
Tested to highest standards

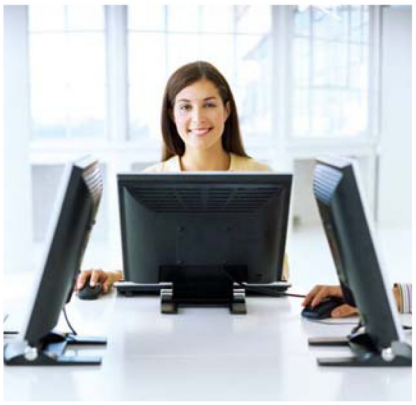
PHYSICAL SPECIFICATION

Size: 2.5"x 2.5"x .6" (64mm x 64mm x 15mm)
Weight: 0.3 lbs (100 grams)

SERVICES AVAILABLE

Technical Support
Software Support
Hardware Support
Guaranteed Warranty
Software Engineering

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 for tracking and monitoring of high value assets worldwide.

Technical Specifications

Data Interfaces
RS-232C or CMOS RX/TX pair

Environmental Specifications & Certifications

Operating temperature	-40C to + 85C
Storage temperature:	-50C to + 85C

FCC Certified
CE Mark,
Industry Canada, TUV Japan

Operation Modes
Transmit: Communications with satellites
Standby: Continuous satellite reception
Sleep: Waits for external input

Communications

Transmit Freq:	148.000 to 150.000 MHz
Receive Freq:	137.000 to 138.000 MHz
Transmit Power	5W min.
Data Rates:	2400 bps Uplink
Downlink	4800 bps

Power

External Power:	9 -18V
Power Consumption	(12V)
Transmit:	2.0 (nominal)
Standby:	70 mA
Sleep:	< 5 uA

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