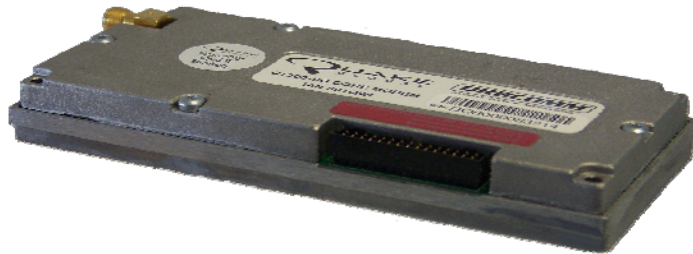


The Leader in Remote Asset Tracking

PRODUCT FEATURES

Small, Low-Profile Footprint
Real Time Clock
Over the Air Programming
Easy integration for external
GPS



- Best Available ORBCOMM Transceiver
- Industrial Strength
- Robust and Reliable Operation
- On-Board Computer Processor



The Q1200-SG is QUAKE's best-selling modem, is perfect for developers who have the need to integrate a very flexible, intelligent, and user-friendly satellite-based communication modem into their applications. The Q1200-SG is specifically designed to operate over the ORBCOMM® two-way global satellite communications network, and is therefore not limited by cellular coverage boundaries

A fully supported application programmer's interface (API) allows developers to utilize the functions of the Q1200-SG to create customized onboard applications. The API includes all the necessary tools to write, compile, and load custom applications onto the Q1200-SG. Other features of the Q1200-SG include: a Real Time Clock (RTC); 3 serial ports; and configurable digital I/O's. Individual inputs can be specifically configured to continuously monitor sensors and report at selected intervals.

Alarm conditions can be pre-programmed so the unit reports the alarm condition automatically and immediately. Routine reports can be generated on a regular schedule, by exception-only reporting, or a combination of both. Users of the Q1200-SG can easily integrate an external GPS device into their application by utilizing the modems' TTL port.

The Q1200-SG is the subscriber communicator that is meeting the needs of many of QUAKE's OEM customers. It is versatile, adaptable, easy to use, reliable, and, like all of QUAKE's modems, designed to meet the rugged conditions and extreme environments encountered in the heavy equipment, trucking, marine, and other important industries served by QUAKE.

9765 Clairemont Mesa Blvd
Suite A
San Diego, CA 92124
(858) 277-7290
(858) 277-7259 Fax
www.quakeglobal.com
sales@quakeglobal.com



The Leader in Remote Asset Tracking

PHYSICAL SPECIFICATION

Size: 5.3"x 2.5"x .6" (135mm x 64mm x 15mm)
Weight: 0.4 lbs (181 grams)

SERVICES AVAILABLE

Technical Support
Software Support
Hardware Support
Guaranteed Warranty
Software Engineering

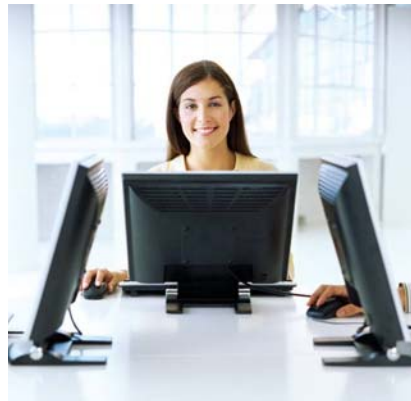
APPLICATION INTERFACE

ORBCOMM Serial Protocol
QUAKE® Base Application (User Programmable)
Customer Supplied Custom Application
(written in C using QUAKE API)

OPERATION MODES

Transmit: Communications with satellites
Standby: Continuous satellite reception
Sleep: Waits for external input or scheduled start

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

3 Serial I/F Ports
RS-232C
RS-232C RX/TX pair
TTL/CMOS RX/TX pair (can be used for external GPS)

Environmental Specifications & Certifications

Operating temperature: -40C to + 85C
Storage temperature: -50C to + 85C
FCC Certified
CE Mark,
TUV Japan, Industry Canada

Communications

Transmit Freq: 48.000 to 150.050 MHz
Receive Freq: 37.000 to 138.000 MHz
Transmit Power: W min.
Data Rates: 240 bps Uplink
4800 bps Downlink

Power

External Power Source: 9-18VDC (12V)
Power Consumption: 2.2A (nominal)
Transmit: 80mA
Standby: 10uA
Sleep:

