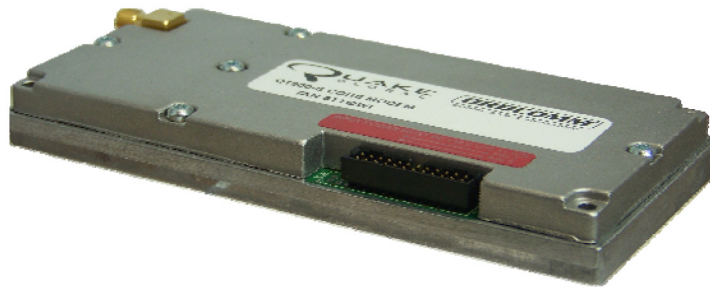


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- Best Available ORBCOMM Transceiver
- Industrial Strength
- Robust and Reliable Operation
- On-Board Computer Processor

 Q1200-S

The Q1200-S is a high performance satellite communications modem with a cellular price tag. It is the perfect solution for developers who need to integrate a satellite-based communication transceiver into customized applications. The Q1200-S is specifically designed for applications operating over the ORBCOMM® two-way global satellite communications network, and is therefore not limited by cellular coverage boundaries. Additionally, its low power consumption modes allow great flexibility when designing applications for remote locations.

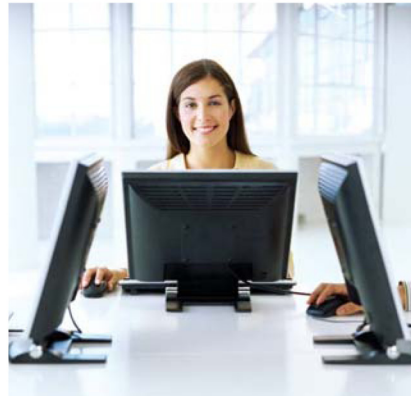
The Q1200-S is equipped with two serial ports. One serial port fully supports the ORBCOMM Serial Interface Specification. The second port can be custom programmed to support applications-specific serial communications and/or be used as a monitoring/debug port. The Q1200-S is available with PC-based development tools that allow programmers to embed custom C-code applications.

The rugged Q1200-S upholds QUAKE's reputation for providing superior communications performance on the ORBCOMM satellite system, and for providing reliable, high-quality coverage and robust communications in remote and harsh environments across 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.

System Requirements

Data Interfaces

2 Serial I/F Ports
RS-232C
RS-232C RX/TX pair

Environmental Specifications & Certifications

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

Communications

Transmit Freq: 148.000 to 150.050 MHz
Receive Freq: 137.000 to 138.000 MHz
Transmit Power: 5W min.
Data Rates: 2400 bps Uplink
4800 bps Downlink

Power

External Power Source: 12 VDC + - 10%
Power Consumption
Transmit: 2.2A (nominal)
Standby: 70mA
Sleep: 10uA

PHYSICAL SPECIFICATION

Size: 5.4"x 2.5"x .7" (137mm x 66mm x 18mm)
Weight: 0.4 lbs (182 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

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