

Leader in remote asset tracking

TECNOSEGUR



- Robust and Reliable Operation
- Meets Industrial Vibration Requirements

Q 2000+

The Q2000+ is Quake Global's most complete and most versatile ORBCOMM satellite modem. The Q2000+ is an "all in one product". All the necessary hardware and functionality necessary to track, control, and communicate with your important assets are included.

The feature set includes; digital inputs/outputs, analog inputs, relay drivers, RS-232 ports, GPS, a real time clock (RTC), and additional flash memory. A key feature is inclusion of a J1708 Can/Bus connector port. The J1708 allows the Q2000+ to connect directly to the electronic computer systems of trucks, buses, and heavy equipment vehicles. The Q2000+ enclosure is a stand-alone unit designed to be installed in a weather-sheltered portion of a truck, such as the cab firewall, or on any other type of valuable equipment.

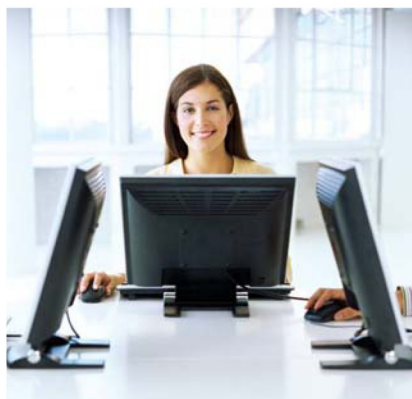
A fully supported application programmer's interface (API) allows developers to utilize the functions of the modem to create onboard applications that will meet their specific needs. QUAKE's API includes all the necessary tools to write, compile, and load custom applications onto the Q2000+. Individual 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.

The feature-rich Q2000 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.

TECNOSEGUR

Leader in remote asset tracking

Service 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

4 Digital output Switches
8 Digital Inputs
2 Serial I/F Ports
- 2 RS232 serial Ports
or
- 1 J1708/CAN and 1 RS232 Serial
4 Analog Inputs (0 - 5V)

Environmental Specifications & Certifications

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

CE Mark, Japan Approved
E Mark, Industry Canada

Application Interface

ORBCOMM Serial Protocol
QUAKE® Base Application (User Programmable)
Application Programmers Interface (C Code)

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
4800 bps Downlink

Power

External Power Source: 9 - 36V
Power Consumption
Transmit: 2.5 A (typical) at 12V
5 A (max) at 9V
Standby: 70 mA (typical) at 12V
Sleep: 10 uA (max)

OPERATION MODES

Transmit: Communications with satellites

Standby: Continuous satellite reception

Sleep: Waits for external input or scheduled start

PHYSICAL SPECIFICATION

Size: 8.4' x 4.9' x .097' (213mm x 124mm x 25mm)

Weight: Less than 1 lb (425 grams)

SERVICES AVAILABLE

Technical Support

Software Support

Hardware Support

Guaranteed Warranty

Software Engineering

> Basauri, 17. Valrealty
> edif. A, local E, 2º dcha.

> 28023 Madrid

> tlf.: 91 372 97 51

> tecnosegur@tecnosegur.com

TECNOSEGUR

> www.tecnosegur.com