



Q1000

ORBCOMM™ satellite-based modem for M2M applications

Advantages

- › Cost effective
- › Small form factor
- › Robust and reliable operation



The Q1000 modem is designed for developers who may already have a solution that includes a controller and who want to incorporate global ORBCOMM™ satellite based machine-to-machine (M2M) communications into their application. It is small, basic and 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.

The Q1000 provides economical two-way M2M and business-to-business internet communications with land, marine or aviation based assets and equipment anywhere in the world. It can cost-effectively retrieve data automatically from isolated power substations or remote metering facilities such as oil and gas supply stations. Mobile assets such as trucks, ships and containers can also be more effectively monitored and managed.

Designed for multiple applications, the Q1000 is a flexible solution that can be utilized by original equipment manufacturers (OEMs), system integrators and low-volume users. This self-contained solution is also a great option for any developer that is facing an accelerated time-to-market requirement.

Q1000 Technical Specifications

Physical Specifications

Size: 2.5" x 2.5" x .63"
(64 mm x 64 mm x 16 mm)
Weight: 0.25 lbs (113.64)

Communications- ORBCOMM

Transmit Freq: 148.000 to 150.500 MHz
Receive Freq: 137.000 to 138.000 MHz
Transmit Power: 5W min. - 10W max.

Data Interfaces

RS-232C or CMOS Rx/Tx pair

Power

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

Services Available

Technical Support
Software Support
Hardware Support
Guaranteed Warranty
Software Engineering
Application Development



Environmental Specifications & Certifications

Operating Temperature: -40C to + 85C
Storage Temperature: -50c to + 85C
FCC Certified
CE Mark
RoHS Compliant

Markets Served



Heavy Equipment



Oil and Gas



Transportation



Mining



Logistics



Maritime