INTUICOM

C2000

C2000™

115.2 Kbps Frequency Hopping Spread Spectrum 2.4 GHz Datalink

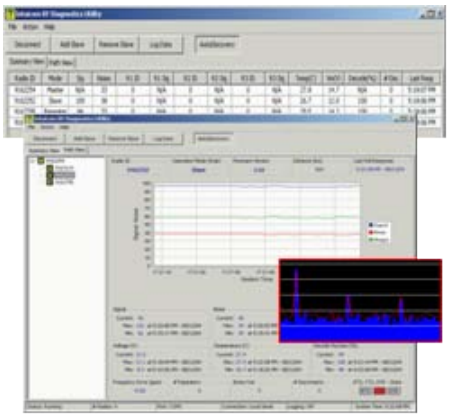
The miniature C2000 module is a high performance wireless datalink designed for OEM applications that require long range, high-speed communications in a compact form factor. Measuring just 5.00" x 2.40" x 0.60" and weighing 75g, the C2000 is ideally suited for both military/aerospace and industrial applications when size and weight are critical parameters. Built upon the Intuicom Communicator II platform, the C2000 is available with a TTL or RS232/RS422/RS485 data interface for simplified integration in a variety of systems.

NETWORK FLEXIBILITY

Providing up to 115Kbps of available bandwidth, a C2000 network is scaleable to facilitate dynamic systems integration requirements. The network can support an unlimited number of C2000 units and offers a broad range of end-user configurable parameters. Designed for flexibility, the rugged C2000 can be operated in point-to-point, point-to-multipoint, or TDMA mode. In addition to operating as a master, slave, or store and forward repeater, any OEM module can also serve as a dual function slave/repeater.

SYSTEM MANAGEMENT

To simplify management of your C2000 system, Intuicom provides network-wide diagnostics and spectrum analysis tools for monitoring and optimizing system performance. Data transfer success rates, signal strength, and noise figures are among the many comprehensive performance parameters that can be monitored.



"BEST-IN-CLASS" RF PERFORMANCE

Employing secure, frequency hopping spread spectrum technology, the C2000 is inherently resistant to interference from other communications equipment.

Empowered with an ultra sensitive yet highly selective, digitally filtered RF receiver, the C2000 provides robust communication links with high data transfer accuracy rates.

When used in an Intuicom designed network, the C2000 delivers the maximum effective radiated output power allowable by the FCC for unlicensed operation -- the benefit of which is realized in exceptional RF propagation characteristics with up to 60 miles range (LOS).

With proven performance in dense RF environments, Intuicom's wireless networks power through the congestion to provide reliable data transport where other technologies fall short.

FEATURES

- 20 mile range ("best-in-class" performance)
- 115.2Kbps throughput
- 100% data transfer accuracy
- Point-to-point, multipoint, or TDMA modes
- TTL compatible or RS232/RS485/RS422 interface
- Secure 2.4 GHz FHSS technology
- Adj. 500mW RF output
- Configurable as a master, slave, repeater, or slave/repeater
- Network-wide diagnostics
- 5.00 "L x 2.40"W x 0.60"H
- 75 grams
- -40ºC to +75ºC operation
- Made in USA

To learn more about enabling wireless networking for your applications, please contact us at: info@intuicom.com or call (303) 449-4330

Intuicom