

DATARADIO IP

IP CONNECTIVITY FOR THE PRIVATE WIRELESS DATA NETWORK

Dataradio IP is state-of-the-art in private data over radio end-to-end IP connectivity. Dataradio IP provides for an easy and efficient way to connect a myriad of software applications to a Dataradio wireless data network, providing end-to-end TCP/IP connectivity. Any Dataradio mobile equipped with Dataradio IP will be able to access host-based applications without modification of the mobile environment.

FEATURES

- Uses Windows 98 and Windows 2000 operating systems.
- Offers fully compatible TCP/IP Winsock 2.0 communication to the wireless user.
- Optimizes wireless data communications on two levels:
 - Substitutes the TCP/IP transport protocol with its own optimized wireless over-the-air TCP/IP protocol.
 - Compression algorithm provides up to 90% compression on text files.
- A universal wireless gateway/router that permits end-to-end TCP/IP connectivity.
- Makes the wireless network look like any TCP/IP subnet.
- Encrypts using Triple DES to prevent unwanted eavesdropping (optional).
- Provides individual TCP/IP addresses for each mobile.
- Interface between the communications network and the application is completely transparent.
- To Windows, Dataradio IP looks and operates just like a network card.
- Supports filtered UDP broadcasts efficiently, using the underlying radio broadcasts.
- Allows application's IP access to mobile Gemini GPS data using over-the-air OOB technology.

MOBILE REQUIREMENTS

(recommended)

- Celeron 800MHz mobile client
- 128 MB RAM
- Windows 98 or 2000 Professional

WIRELESS GATEWAY

Supplied By Dataradio

- Pentium III 850 MHz computer
- Up to 4G RAM (depending on number of mobiles)
- Windows 2000
- 2 x 9.1 GB hard drive (RAID 1)
- 10/100 MB Ethernet Network Interface Card
- Modem and phone line for maintenance and tech support

SYSTEM DIAGRAM

