

Wireless Data Retrieval

A photograph of a wireless data retrieval station. The station consists of a white rectangular control box mounted on a metal tripod stand. On top of the stand is a large, multi-lobed antenna array. The station is positioned on a grassy bank overlooking a calm body of water. In the background, there are rolling green hills and a blue sky with scattered white clouds. The overall scene is peaceful and rural.

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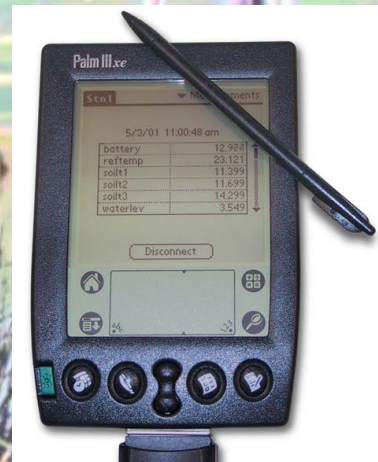
Wireless Options



- Infrared
- Bluetooth
- Ethernet
- Phone Modems
- Spread Spectrum Radios
- Licensed Radios
- Satellite

Infrared with PDA

- Standard Protocol
- Inexpensive <\$200
- Easy To Use
- Negligible Power Use
- Short Distance <1ft
- 30 deg Field of View
- Limited Data Storage



Bluetooth

- Universal Protocol
- Easy to Implement
- Laptop and PDA
- Transparent Link
- \$300 - \$400
- Short Distance
- High Power Req



Ethernet

- Fast Data Retrieval
- RF/Phone to Ethernet Combinations
- > \$450
- Use with Existing Networks



Phone Modems

- CDPD and CDMA
- Internet Capability
- No License
- \$500-\$750
- Monthly Phone Bill
- Ltd Remote Coverage
- Static IP address
\$500



Spread Spectrum Radios

- No License
- 10-25 Mile Range
- Low Power
- Arrange in Networks
- Repeaters
- Line of Sight
- Attenuated by Water
- \$400 - \$1400



Licensed Radios

- VHF, UHF
- 25+ Miles
- Repeaters
- High Power 5 Watt
- > \$400
- Line of Sight
- Power Consumption



Satellite

- Access Anywhere
- No Recurring Costs
- Data on Internet
- High Power Demand
- Slow Data Return
- Minimum Data
- \$2000 to \$2500

