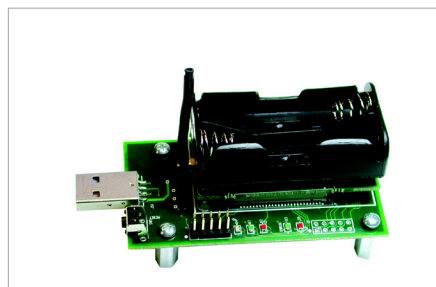# MIB520

USB INTERFACE BOARD

- Base Station for Wireless Sensor Networks

- USB Port Programming for IRIS/MICAz/MICA2 Hardware Platforms

- Supports JTAG code debugging

- USB Bus Power

Applications

- USB Interface

- Testbed Deployments

- In-System Programming

MIB520CB with attached Mote

MIB520CB

The MIB520CB provides USB connectivity to the IRIS and MICA family of Motes for communication and in-system programming. Any IRIS/MICAz/MICA2 node can function as a base station when mated to the MIB520CB USB interface board. In addition to data transfer, the MIB520CB also provides a USB programming interface.

The MIB520CB offers two separate ports: one dedicated to in-system Mote programming and a second for data communication over USB. The MIB520CB has an on-board processor that programs Mote Processor Radio Boards. USB Bus power eliminates the need for an external power source.

Specifications

USB Interface
- Baud Rate: 57.6 K
- Male to Female USB cable (included with unit)
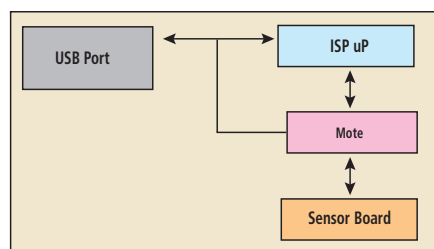
Mote Interface
- Connectors:
  - 51-pin
- Indicators:
  - Mote LED's: Red Green, Yellow

Programming Interface
- Indicators:
  - LEDs - Power Ok (Green), Programming in Progress (Red)
- Switch to reset the programming processor and Mote.

Jtag Interface
- Connector: 10-pin male header POWER
- USB Bus powered

MIB520CB Block Diagram

Ordering Information

Model	Description
MIB520CB	USB PC Interface Board