

# 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

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

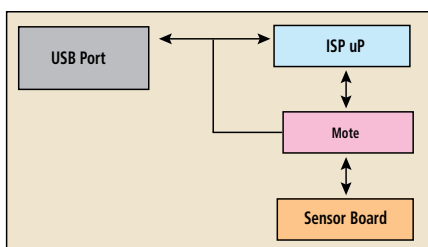
- Indicators:
  - LEDs - Power Ok (Green), Programming in Progress (Red)
- Switch to reset the programming processor and Mote.

#### Jtag Interface

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



MIB520CB with attached Mote



MIB520CB Block Diagram

### Ordering Information

Model	Description
MIB520CB	USB PC Interface Board