

# MIB

## USB INTERFACE BOARD

- ▼ Base Station for Wireless Sensor Networks
- ▼ USB Port Programming for MICA Hardware Platforms
- ▼ Supports JTAG code debugging
- ▼ USB Bus Power



## Applications

- ▼ USB Interface
- ▼ Testbed Deployments
- ▼ In-System Programming

## MIB520CA

The MIB520CA provides USB connectivity to the MICA family of Motes for communication and in-system programming. Any MICA2/ MICAz node can function as a base station when mated to the MIB520CA USB interface board. In addition to data transfer, the MIB520CA also provides a USB programming interface.

The MIB520CA offers two separate ports: one dedicated to in-system Mote programming and a second for data communication over USB. The MIB520CA has an on-board processor that programs MICA Processor Radio Boards. USB bus power eliminates the need for an external power source.

### Specifications:

#### USB INTERFACE

- Baud Rate: 57.6 K
- Male to Male USB cable (included with unit)

#### MOTE INTERFACE

- Connectors:
  - 51-pin MICA2
- Indicators:
  - MICA2/MICAz LED's:
    - Red, Green, Yellow

#### PROGRAMMING INTERFACE

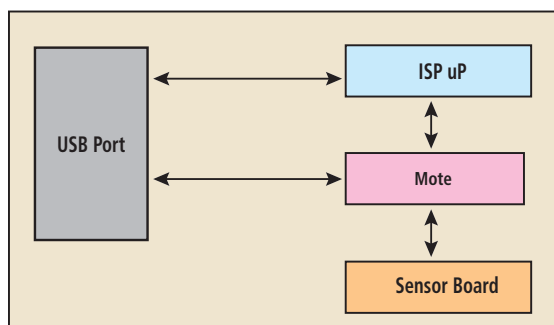
- Indicators:
  - LEDs - Power Ok (Green), Programming in Progress (Red)
- Switch to reset the programming processor and Mote.
- MICA2DOT requires optional programming cable.

#### JTAG INTERFACE

- Connector: 10-pin male header

#### POWER

- USB bus powered



MIB520CA Block Diagram

## Ordering Information

Model	Description
MIB520CA	USB Interface Board