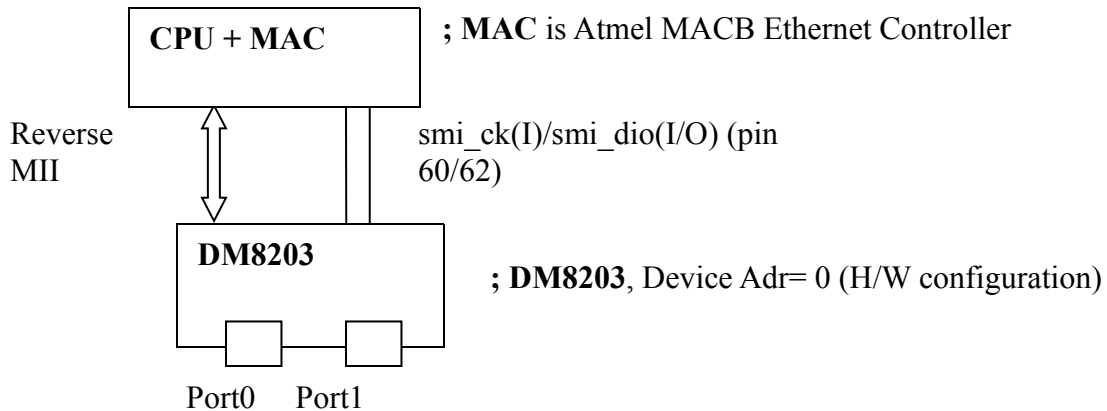


Programming DM8203



Sample code:

➤ Below is the example code to be used in “macb.c”

// Read DM8203 Registers

Tips: Call the function **macb_mdio_read()**, when 2ND parameter `mii_id= 1`, the read operation is to read the ‘register 0x20 + 3RD parameter’ of DM8203.

```
// Read Venddor ID= 0x0a46, Read Product ID= 0x8203
```

```
int val;
val= macb_mdio_read(bp->mii_bus, 1, 8);
val= macb_mdio_read(bp->mii_bus, 1, 9);
val= macb_mdio_read(bp->mii_bus, 1, 0xa);
val= macb_mdio_read(bp->mii_bus, 1, 0xb);
// val= 0x46 <= REG28H , Reg = 0x20+8 (mii_id=1, regAddrBase: 0x20)
// val= 0x0A <= REG29H , Reg = 0x20+9 (mii_id=1, regAddrBase: 0x20)
// val= 0x03 <= REG2AH , Reg = 0x20+a (mii_id=1, regAddrBase: 0x20)
// val= 0x82 <= REG2BH , Reg = 0x20+b (mii_id=1, regAddrBase: 0x20)
```

// Write & Read DM8203 Registers for Port0

Tips: Call the function **macb_mdio_write()** & **macb_mdio_read()**, when 2ND parameter `mii_id= 3`, the read operation is to read the ‘register 0x60 + 3RD parameter’ of DM8203.

```
macb_mdio_write(bp->mii_bus, 3, 0, 0); // Write REG60H by 0
val= macb_mdio_read(bp->mii_bus, 3, 2); // val= 0xXX <= REG62H
// val= 0xXX, is Port0 Status Data Register
```

// Write & Read DM8203 Registers for Port1

Tips: Call the function **macb_mdio_write()** & **macb_mdio_read()**, when 2ND parameter `mii_id= 3`, the read operation is to read the 'register `0x60 + 3RD parameter`' of DM8203.

```
macb_mdio_write(bp->mii_bus, 3, 0, 1); // Write REG60H by 1
val= macb_mdio_read(bp->mii_bus, 3, 2); // val= 0xYY <= REG62H
// val= 0xYY, is Port1 Status Data Register
```