

MicroMaster to mySQL Documentation

Description:

This project is a PC application that runs on the computer, together with mySQL-server. It reads incoming messages from RS232-port on PC, formats them as a SQL-statement and puts it into the database.

Details:

Every 5 seconds arrive new data from MicroMaster on serial port of PC. There is not any special protocol for data, but only simple rules. Every packages is in form of **register:value** and repeats until all registers has been transfered. The application reads the input until it becomes empty. Then parsing of the aquired data is nescessary to make it possible to store them into a database. The raw-data are stored as they are, without any additional check.

Hardware:

The data will not arrive somehow. It is nescessary to have a hardware installed that will send periodically data to the serial port of PC. This task will be realized by an Ethernut board. It is a PCB with a microcontroler on board of AVR family here ATMEGA128, with static memory of 32kB and 2 serial ports. It has also an Ethernet chip from Realtek that makes it possible to connect the board to the Ethernet-network.

To get more deeper into this board this link depicts his content: [enut13h_sch.pdf](#)

VS2010 project in eclipse. Must be compiled from within Visual Studio Command Prompt (2010). Copy the libmysql.dll to the exe-folder before run it.

Links:

[doxygen preprocessing.html](#)

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