2.1 Development Board sets up and connects

2.1.1 Startup Mode Selection

To choose the development board startup mode, S2 DIP-switch is determined, depending on the target board tips.

Switch S2 to “NOR” side logo, the system will start with the NOR flash.

Switch S2 to “NAND” side logo, the system will start with the NAND Flash.

The NOR Flash and NAND Flash of the development board has been burned into the same BIOS from factory (because the BIOS at the same time support for both flash, just after the boot of different manifestations, please refer to "development board BIOS feature and use that"), S2 has been receiving side of NAND flash, the system boot from a startup operation of NAND flash system.

2.1.2 External Interface Connector

- Please use our direct serial line to connect the Mini2440’s serial port 0 and PC’s.
- Use our crossover cable to the network interface Mini2440 connected with the PC.
- Use our 5 V power adapter to connect to the 5 V input socket on the board.
- Speakers or headphones to plug access on-board audio output port (green).
- If you have LCD screen, follow the direction of head data and the LCD interface connected to Mini2440.
- Connect Mini2440 with USB cable connection and the PC

2.1.3 HyperTerminal Settings

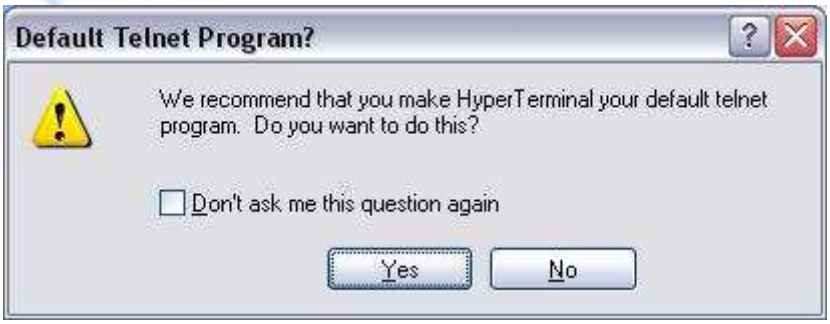
Note: Some users use the USB to serial port serial line to expand, but the attention of some USB to serial line is there will be garbled, which indicates that it is not the performance and functionality, and most of our agents to provide such a switch connection, the user can direct link to the transfer agent can be used to purchase cable.

In addition, make sure to use a random serial port attached to direct connection, perhaps other lines of communication can't be normal, use the million table detection can be identified as a direct connection.

In order to connect Mini2440 through the serial port, must use an analog terminal procedure, almost all of similar software can be used, including MS-Windows own a super terminal is the most commonly used option, when you need to install Windows 9x select the Custom installation, Windows 2000 and later has been installed by default.

Desktop version of Linux system also comes with similar serial terminal software called minicom, which is based on the way the command line sequence, the use of relatively complex, and interested users can find online presentation in this regard.

In this brief focus on bringing the Windows HyperTerminal program and to Windows XP as an example, perhaps other Windows version of the program interface is different. HyperTerminal program is usually located in "Start>Programs>Accessories>Communications", the select run this program, as shown generally out the window, asking if you want HyperTerminal as the default telnet, at this time you don't need, so click "No" button.



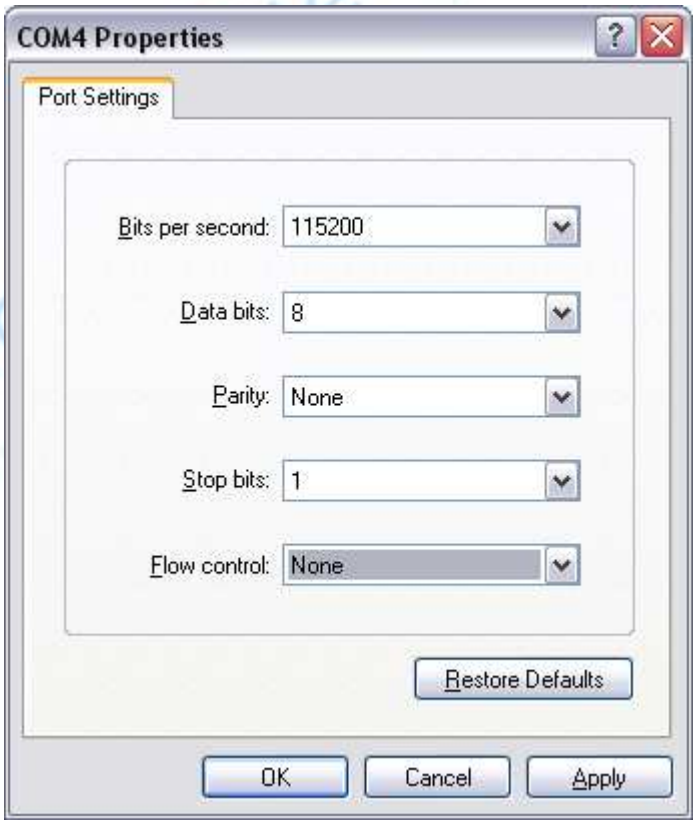
Next, the following window will pop up, click the "Cancel"

Prompted to confirm the abolition at this time, and then prompt window at the "OK" to enter the next step.

HyperTerminal will ask you to check for the new connection a name, as shown here, I check the "ttyS0", Windows The system will you get a similar ban on "COM1" so the name of the system because the name was taken up.

After you name will jump out of a dialog box, you need to select the serial port to connect Mini2440, I choose the “COM4”, as shown.

Finally, the most important step is to set the serial port, pay attention to choose non-flow control, or else, perhaps you can only see the losers out and cannot be imported, while working at the time of board serial baud rate is 115,200, as shown.



When all the connection parameters are set up after the power switch open, the system will start the interface vivi. HyperTerminal select "File" menu under "Save as ...", save the connection settings in order to facilitate the future connection would not have to re-implementation of the above step.

Enable Your Design ThaiEasyElec.com On-line Electronics Shop for Embedded System