Tips for your own project:

1. The RS232 USB data transmission rate is slow that cannot transmit all data to the host PC in real time.

2. CPU is always busying on collecting data if you want to collect all sample data.

3. You can divide the sample rate by yourself in software. For example, you the sampling rate is 48k, you can pick one data from two samples to have 24k sampling rate.

4. The data is a signed integer. If the most significant bit is 1, then the number is negative. If it is zero, then number is positive. (please refer to 2'scomplement)

5. Matlab plot() function need a short time to finish plotting.

6. We provide 8 switches and 4 keys for you to make controls of your system.

7. When you write your own ISR make sure it is simple and fast.

8. Don't 100% trust debug mode when debugging your ISR.

9. If an unexpected error occur, try to reconfigure and re-program the board.

10. Please carefully read the AIC23 data-sheet (control registers part) when you have problem about AIC23 chip setting.

11. Please feel free to modify and improve our codes to meet your own requirement.

12. We are two undergraduate students who try to switch all content from the old board to this new one. The platform we provide may not be robust enough so you are encouraged to research on the board and add new features.