

TWR 8309 Flash Programming With CodeWarrior

CodeWarrior PA V8.8

1 Connecting to the Target and your Host Computer

1.1 To connect the USB TAP cable to the target debug port header

1. Turn off the power to the target system.
2. Unplug the USB cable from the USB TAP probe.
3. Make sure that pin 1 of the gray ribbon cable connector aligns with pin 1 on the target's debug port header.

1.2 Connecting to the Host Computer

1. Connect one end of a USB 2.0 cable to a USB port on the host computer.
2. Connect the other end of the cable to the CodeWarrior USB TAP probe USB connector.

2 Flash Programming

Select menu TOOLS->Flash Programmer as the Figure 1

Figure 1

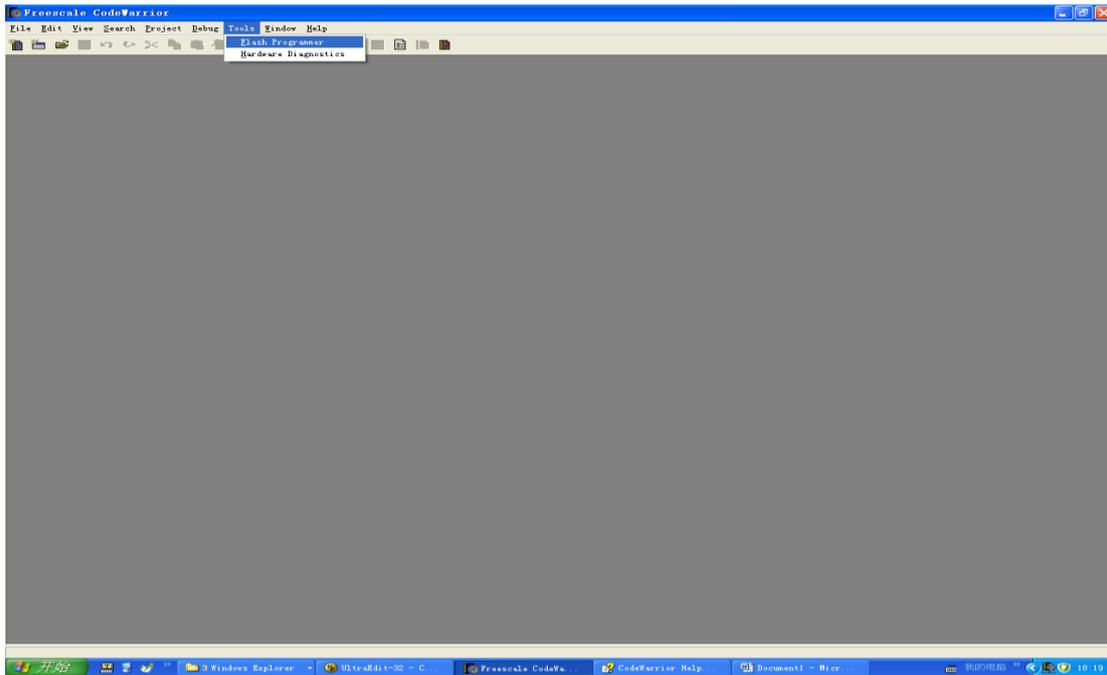
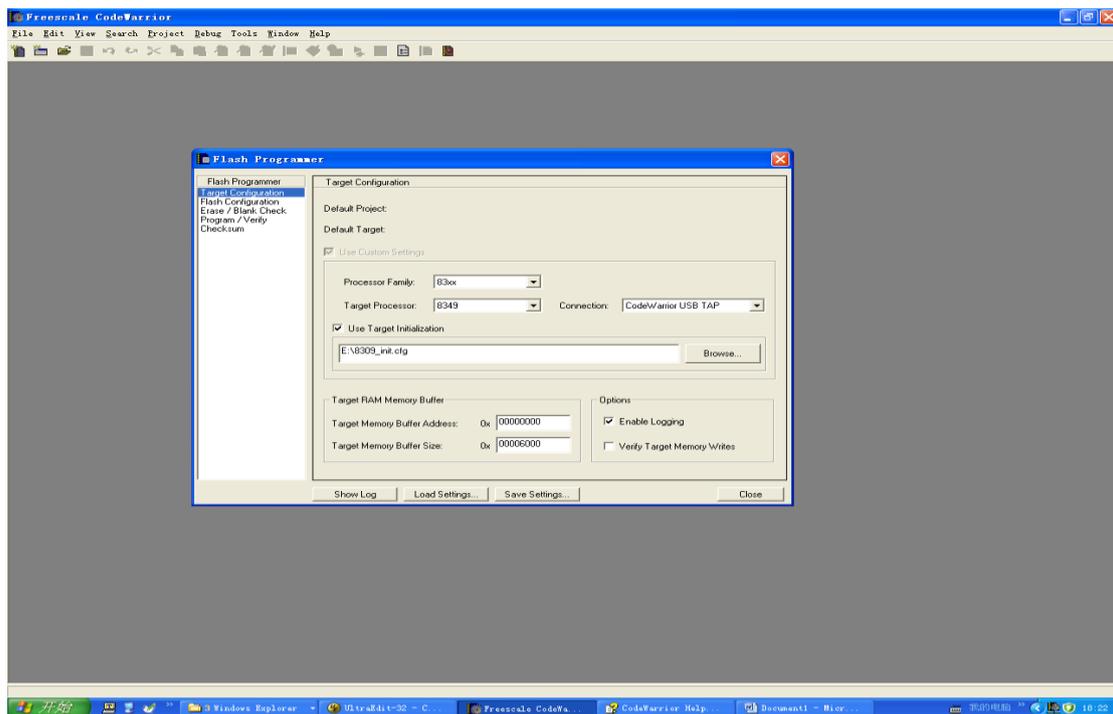


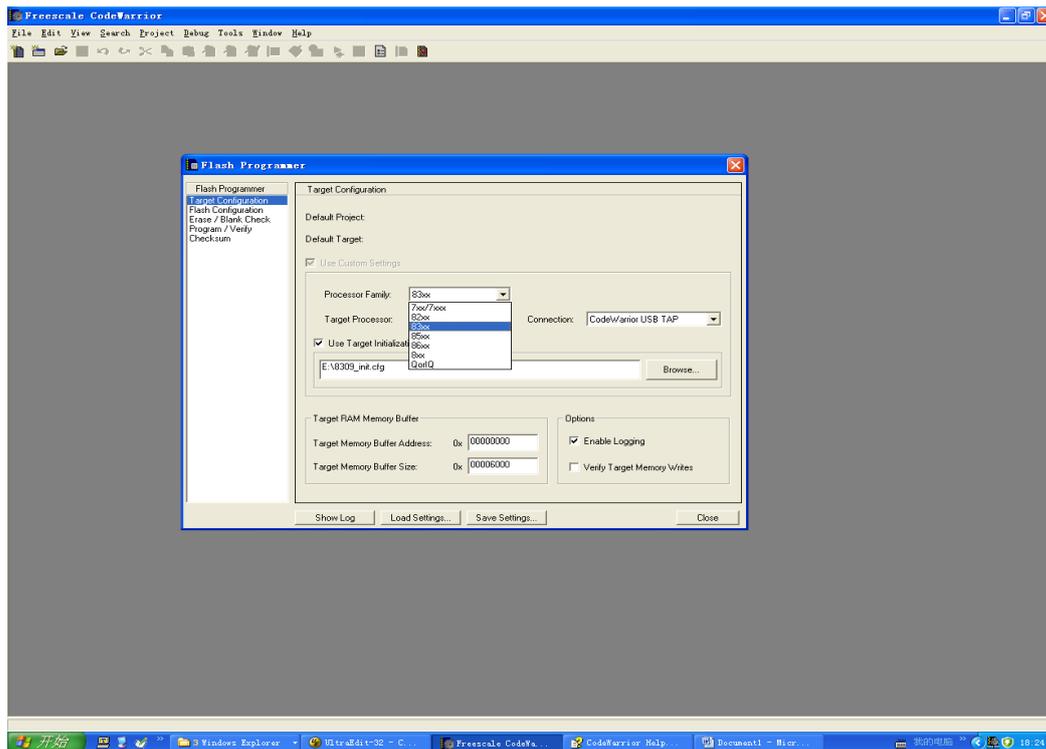
Figure 2



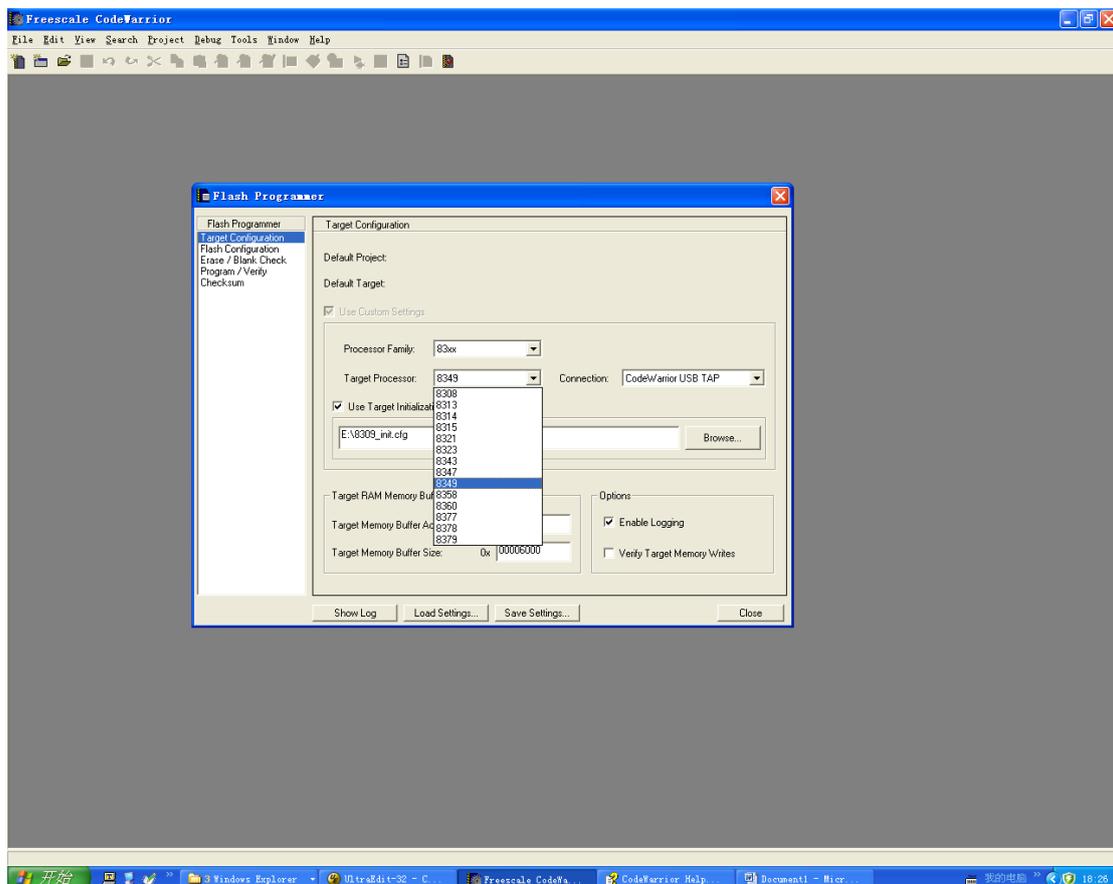
Please change the settings as the **Figure 2**

2.1 Target configuration

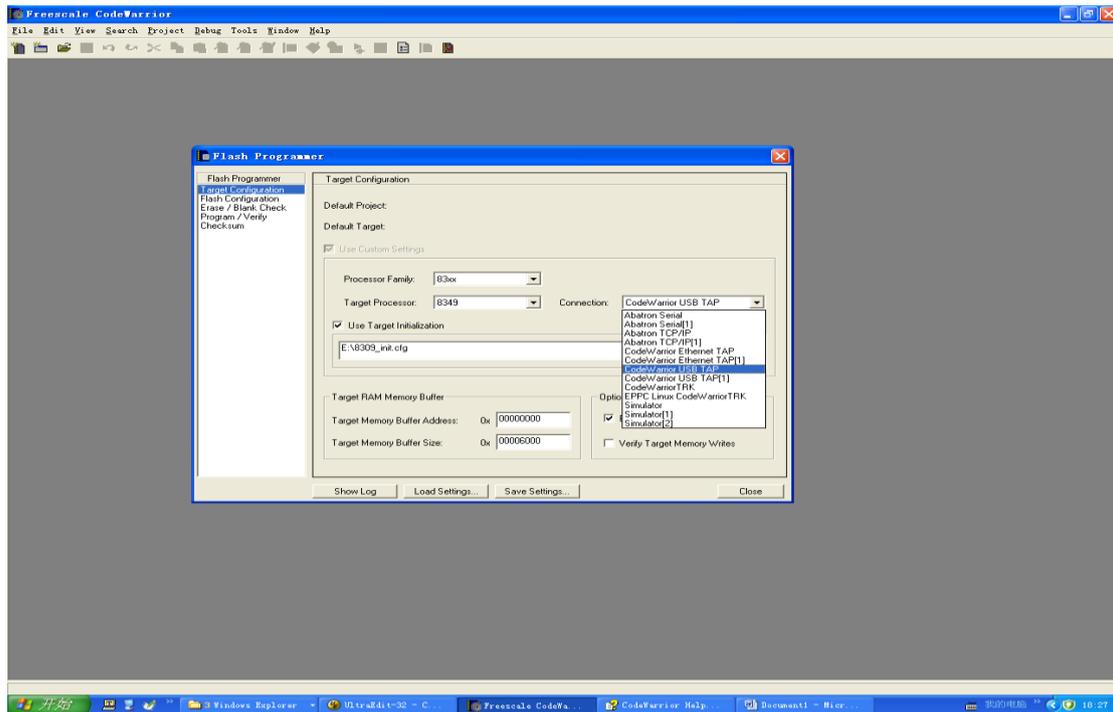
- Select the Processor Family as **mpc83xx**



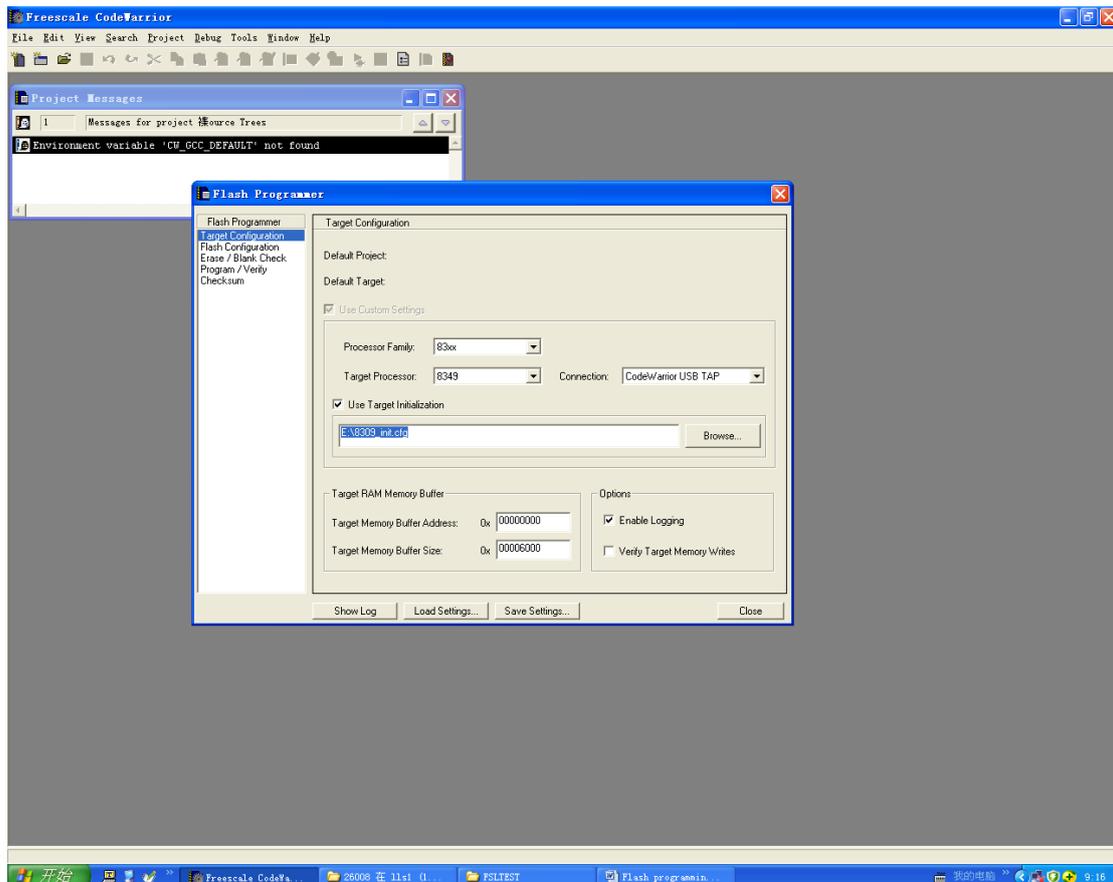
- Select the Target Processor as **mpc8349**



- Select connection as **CodeWarrior USB TAP**

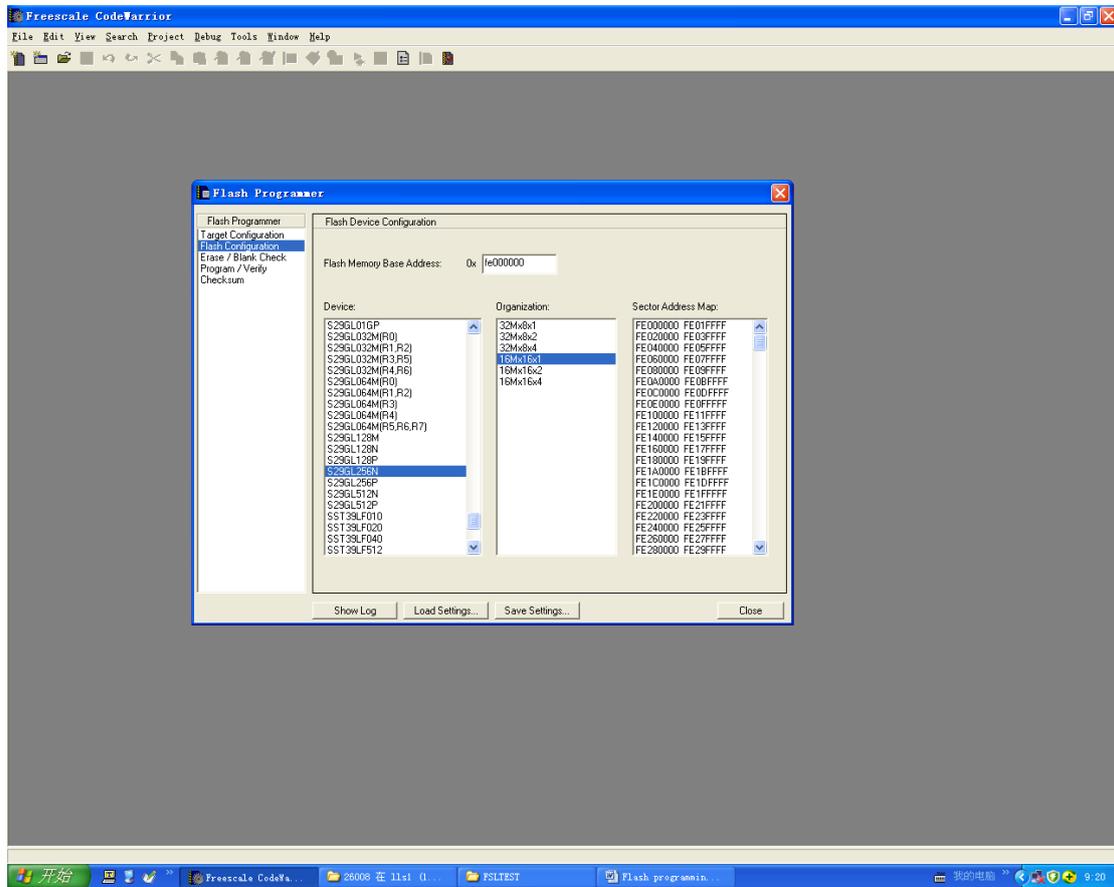


- Select the **Use Target Initialization**



Select **8309_init.cfg** as initialize file.

2.2 Flash Configuration



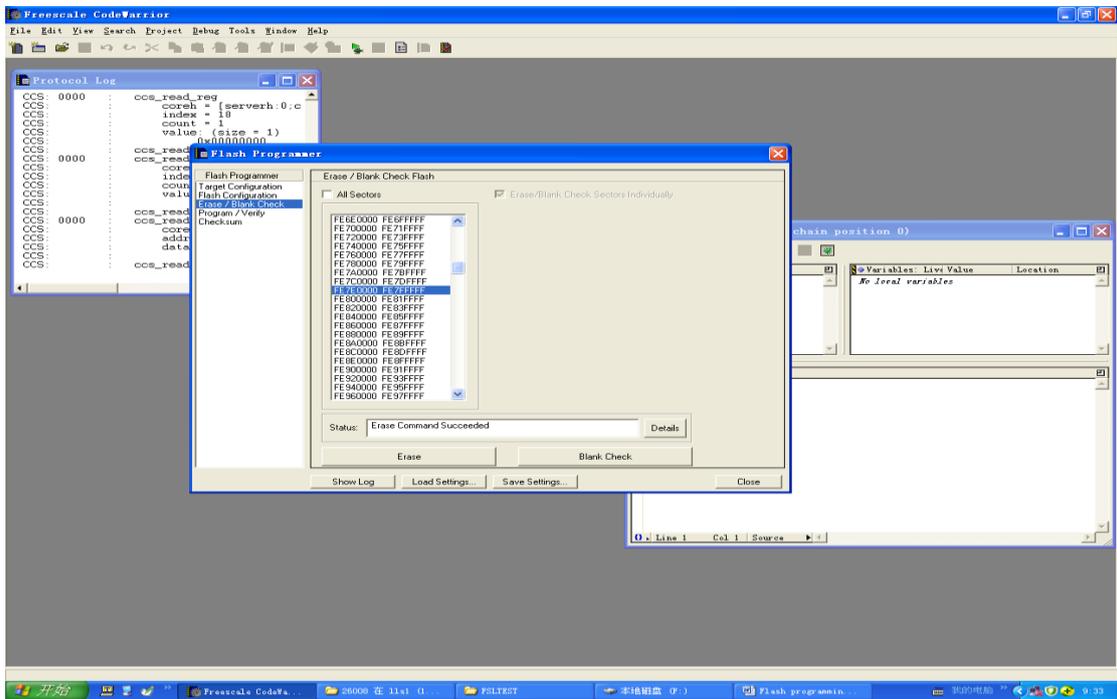
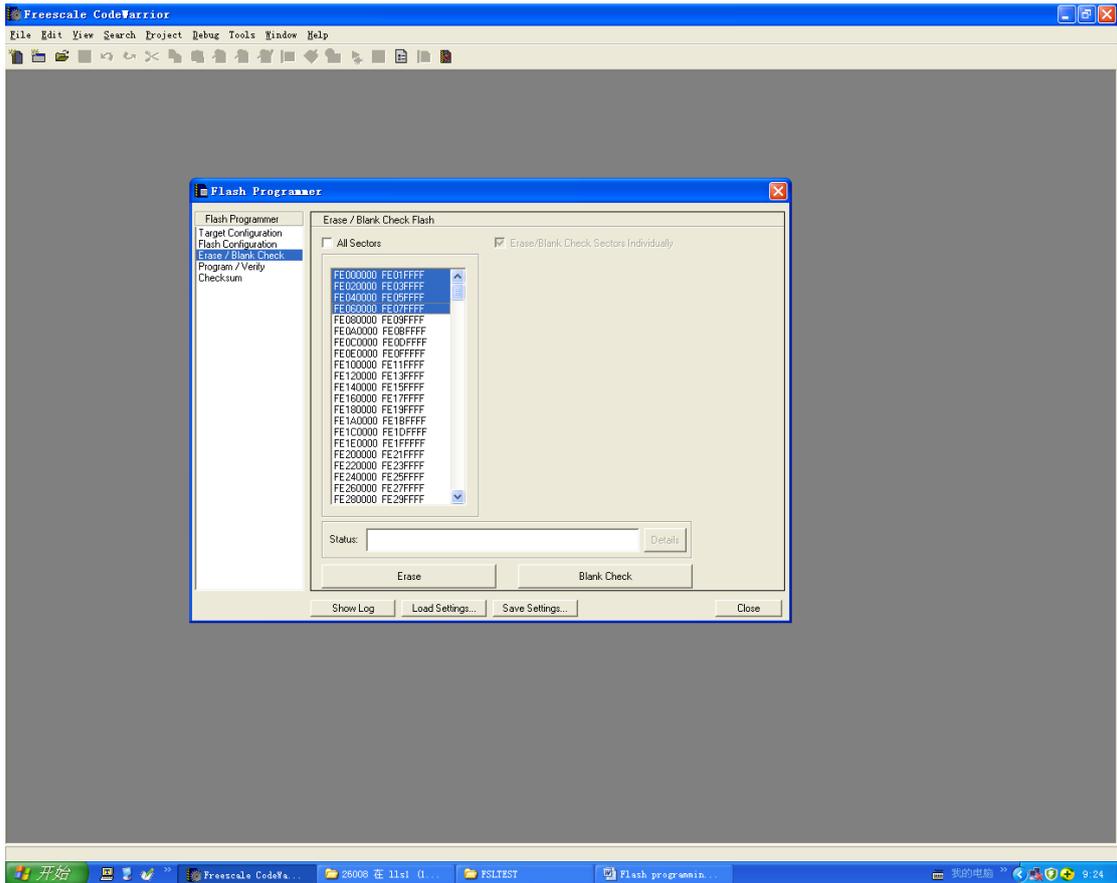
Flash memory base address is **fe000000**

Device is the **S29GL256N**

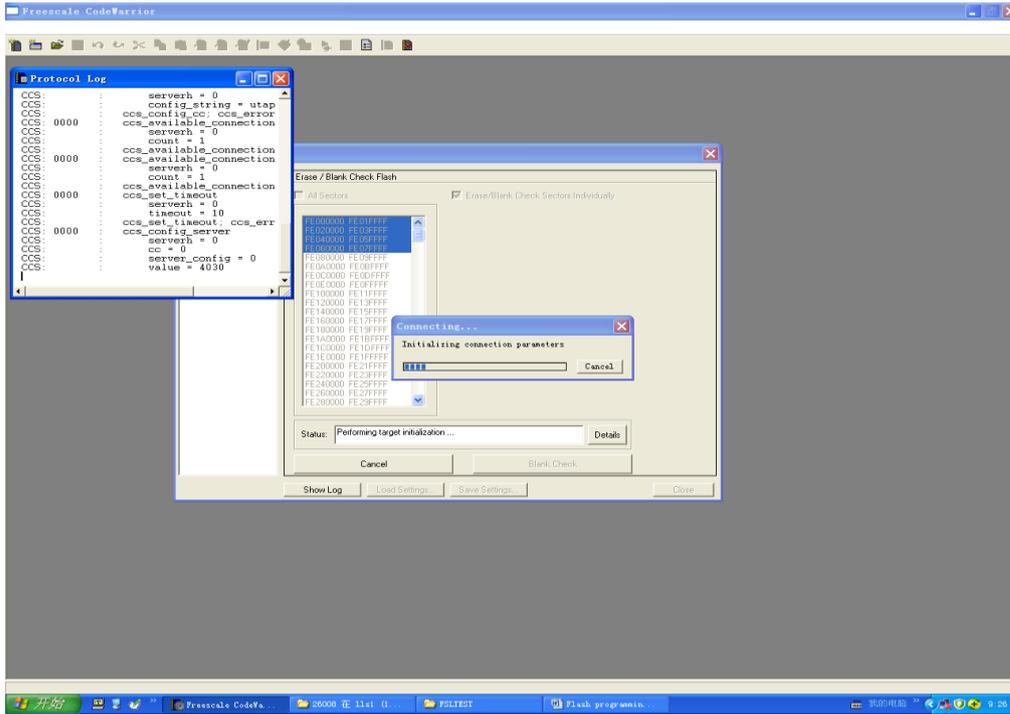
Organization is the **16M*16*1**

2.3 Erase/Blank Check

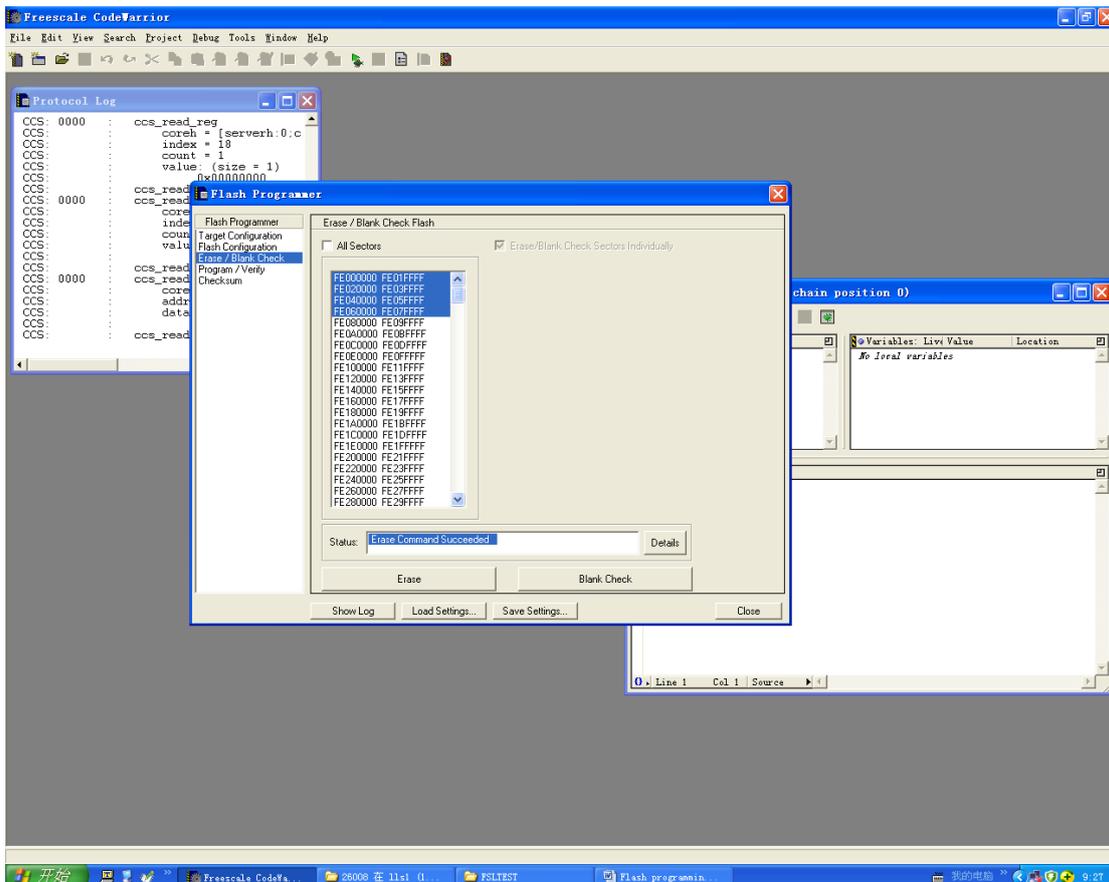
- Erase the sectors from **fe000000** to **fe07ffff** for u-boot.bin , select **fe7e0000-fe7fffff** sector for iram_mpc8309_r1.bin



- Click the **erase** button.

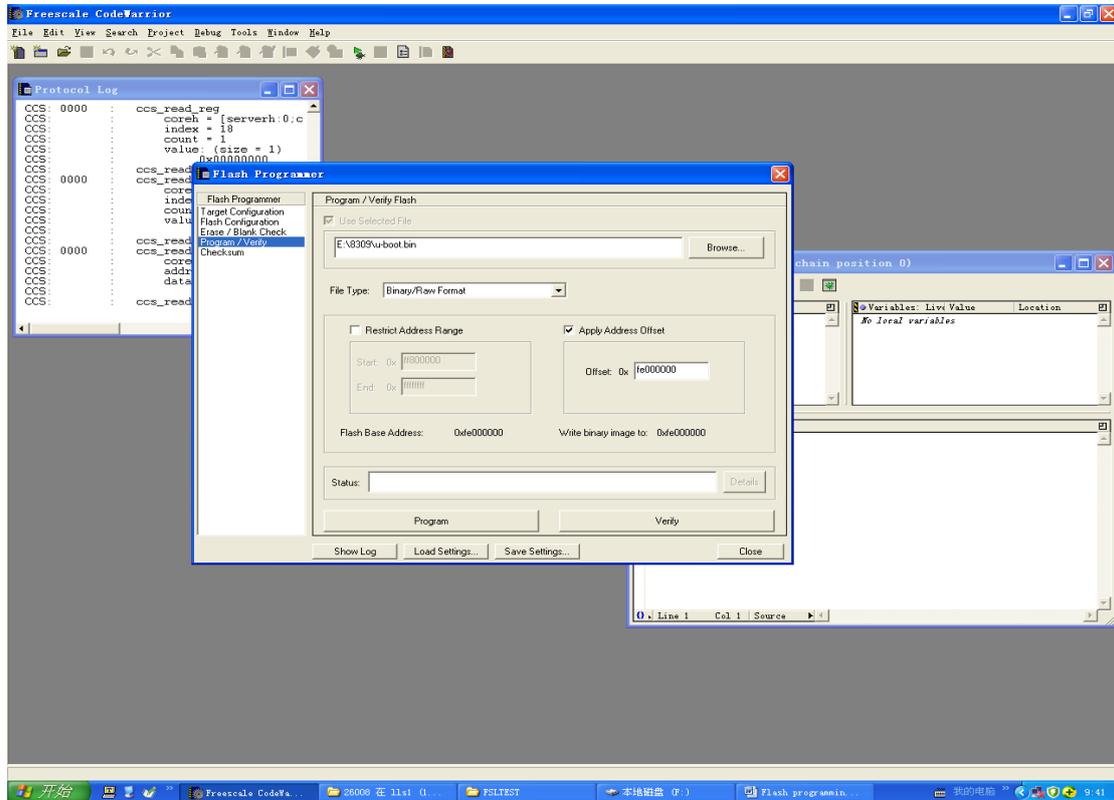


Wait for a while ,the status box will show “Erase Command Succeeded”,if succeed.

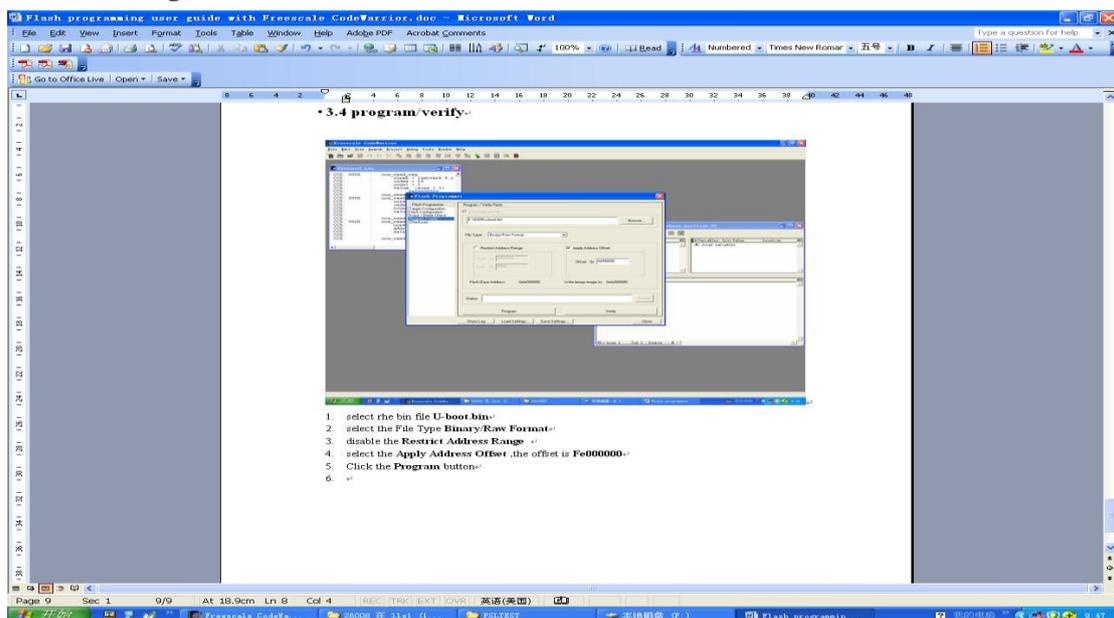


2.4 Program/Verify

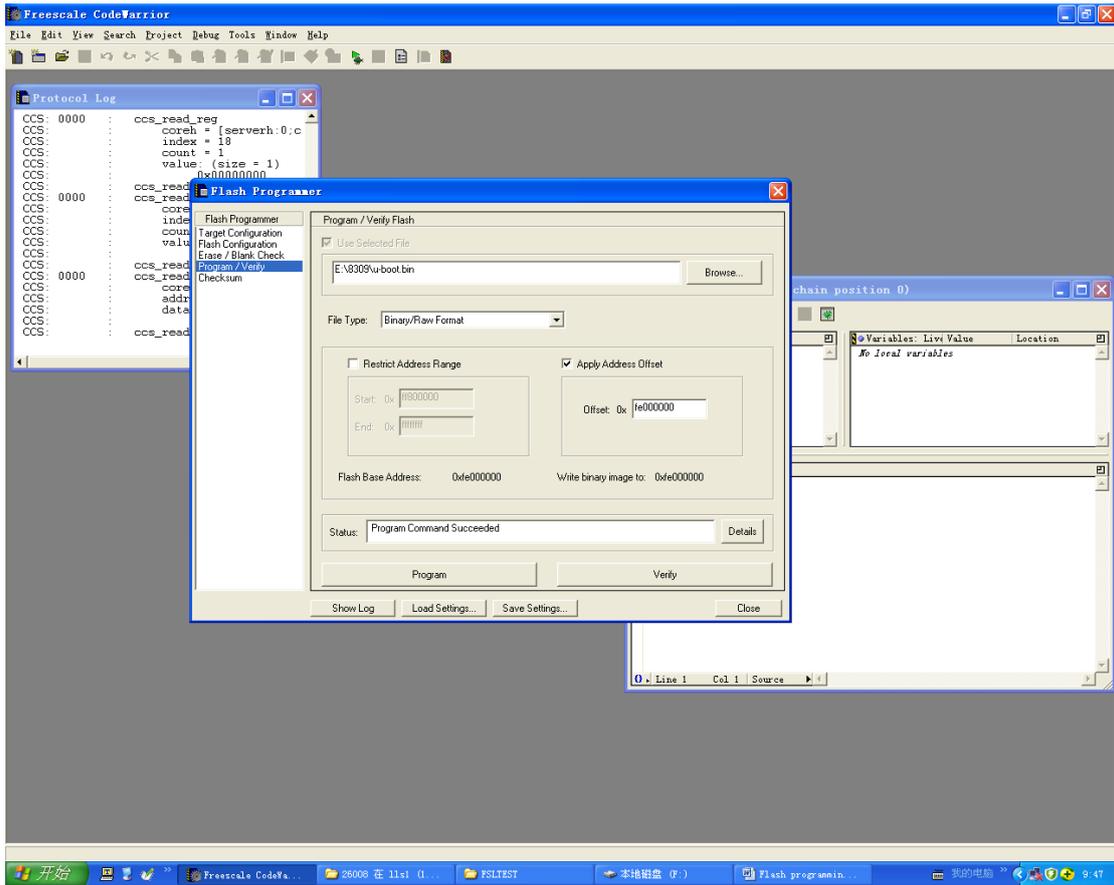
- Programme the **u-boot.bin**



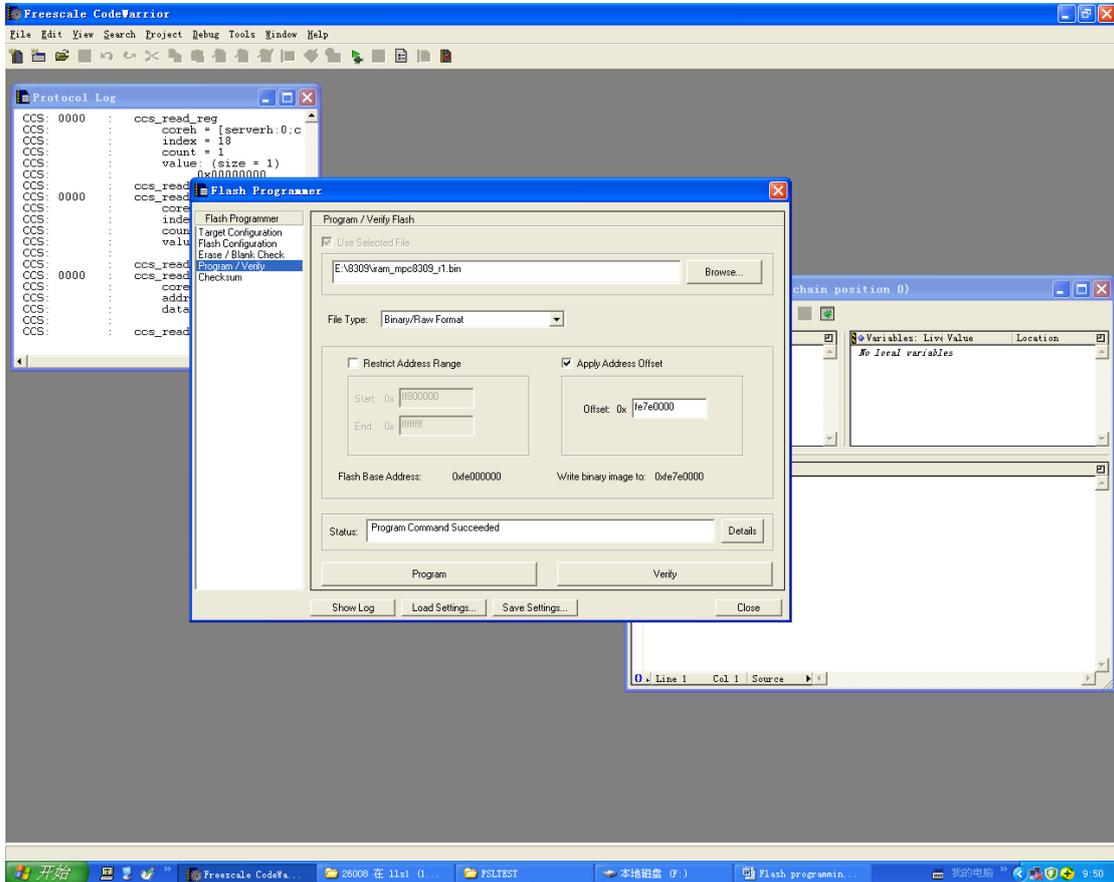
1. select bin file **U-boot.bin**
2. select File Type **Binary/Raw Format**
3. disable **Restrict Address Range**
4. select **Apply Address Offset** ,the offset is **Fe000000**
5. Click **Program** button



Wait for a while, the status box will show **Program Command Succeeded**



● Program the **iram_mpc8309_r1.bin**



- 1.select bin file **iram_mpc8309_r1.bin**
- 2.select File Type **Binary/Raw Format**
- 3.disable **Restrict Address Range**
- 4.select **Apply Address Offset** ,the offset is **Fe7e0000**
- 5.Click **Program** button