

Trendmax SPI BIOS Programmer:

Model No: S-LINK-SPI-01



Feature:

- Fast programming speed
- Suit for various kinds of SPI Flash
- Flash Auto detection supported
- No need for high cost socket
- In system programming - Easy Command Line operation
- Easy connection by USB cable

Build in with SPI Pin header:

DFI models which carrying SPI BIOS onboard are reserved a SPI standard pin heard for upgrade/back/fix BIOS file.

Benefits:

- Directly access SPI chip via cable
- No need to power on to read/write BIOS data
- Overwrite BIOS data doable



SPI header



Protecting method



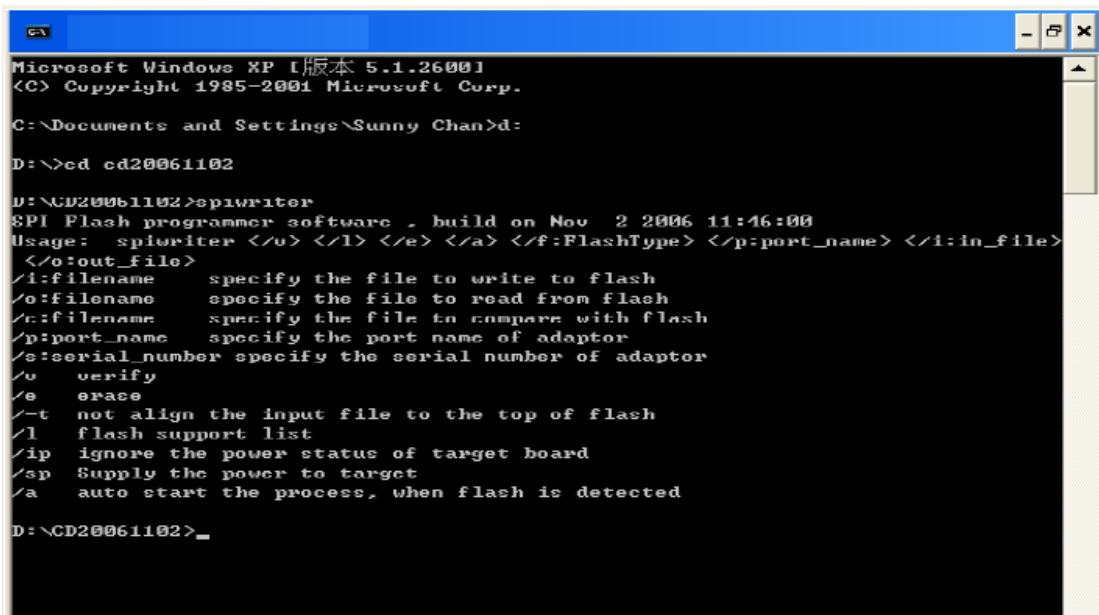
Connecting method

Operation action:

Trendmax SPI Flash Programmer: (Software)

- Trendmax USB to SPI Flash programmer
- Trendmax Dummy device

Windows Command line:



```
Microsoft Windows XP [版本 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Sunny Chan>:
D:\>cd cd20061102

D:\CD20061102>spiwriter
SPI Flash programmer software , build on Nov 2 2006 11:46:00
Usage: spiwriter </u> </l> </e> </a> </f:FlashType> </p:port_name> </i:in_file>
</o:out_file>
/i:filename      specify the file to write to flash
/o:filename      specify the file to read from flash
/r:filename      specify the file to compare with flash
/p:port_name     specify the port name of adaptor
/s:serial_number specify the serial number of adaptor
/u      verify
/e      erase
-t      not align the input file to the top of flash
/l      flash support list
/ip     ignore the power status of target board
/sp     Supply the power to target
/a      auto start the process, when flash is detected

D:\CD20061102>_
```

Example:

1. How to show various kinds of Flash supported?

Answer: Type in> SPIWriter /l

2. How to choose the file to burn into and carry on Verify?

(It suppose the file name 0001.lie in D:\TEST\0001.bin)

Answer: Type in> SPIWriter /i:D:\TEST\0001.bin /v

(If the file name 0001.bin directly lie in the same directory with the main program :spiwriter)

Answer: Directly type in> SPIWriter /i:0001.bin /v

3. How to read File burnt into in Flash and name it?

Answer: In F:\>Type in SPIWriter /o:file_name

4. How to carry on Erase?

Answer: In F:\>Type in SPIWriter /e

5. What is the major function for `/a`

Answer: Auto start the processed, when flash is detected.

6. Any debug way about flash operate in different programming voltage?

Answer: For example Type in>SPIWriter /i:D:\TEST\0001.bin /3.0V

Type in>SPIWriter /i:D:\TEST\0001.bin /3.3V

To check the twp operation way:

Whether the measured SPI Flash ROM could be run on these two different voltages?

7. What is the function about command `/c: file_name?`

Answer: To compare if it is the same original software wish to be burnt into in Flash.