

# StarProg-F

## FLASH Engineering Programmer



### StarProg-F

is a FLASH engineering IC programmer supports a variety of FLASH IC on the market, like EEPROM、SPI/ NOR/ NAND FLASH、eMMC、eMCP, etc. Powered by USB port and need no external power. Starprog-F provides users detailed API for software redevelopment. Palm size and space saving. Whether engineering development or low volume production, Starprog-F offers user the best solution.

### Features

#### ● High programming speed

Built in high speed processor to achieve high programming speed

Timing reference (P+V) :

NAND256W3A2BNB	43s	S29AL016J70TFI01	22s
W25X16VSI	18s		

#### ● Support all FLASH IC and packages

1. Support EEPROM、SPI/NOR/NAND/SPI NAND FLASH、eMMC、eMCP、SD Card, etc
2. Support DIP、SOP、SSOP、TSOP、PLCC、QFN、LQFP、BGA package, etc
3. Regular device update

#### ● Support a variety of file formats

Binary、Hex、Intel、Motorola、ROM、Tekhex、Extended Tekhex、ASCII, etc

#### ● Support 1.8V low voltage IC

#### ● Provide detailed API

User can use 3<sup>rd</sup> party software to control the programmer through windows command line

#### ● Equipped with "Start" key

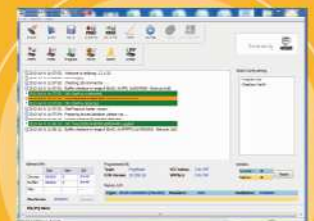
Press start key to execute programming after loading project

#### ● Powered by USB port, need no external power

#### ● Unlimited number of StarProg-F can be driven by 1PC



Multiple StarProg-F



Window GUI



Detailed API



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# StarProg-F

## FLASH Engineering Programmer

Specification

### Hardware

Architecture  
Programming Interface  
IC Adaptor  
Communication Interface  
External Memory Card  
Operation Interface  
Hardware Protection  
Vcc  
Current limitation on Vcc  
Vpp  
Current limitation on Vpp

ARM and FPGA architecture with high density SDRAM  
Socket adaptor  
DIP、SOP、SSOP、TSOP、PLCC、QFN、LQFP、BGA...  
High speed USB 2.0  
64GB SD card  
Busy/ Pass/ Error LED、LCD Keypad connector、Start key  
Overcurrent and ESD protections  
1.6~5V  
~300mA  
1.6~12V  
~100mA

### Supported IC

EEPROM、SPI/NOR/NAND/SPI NAND FLASH、eMMC、eMCP、SD Card

### Software

Operation Software  
OS Supporting  
File Typed Supported  
Programming Function  
Extra Function

DediWare Engineer/ Dediware Production  
Windows XP/ Windows Vista/ Windows 7/ Windows 8  
Binary、Hex、Intel、Motorola、ROM、Tekhex、Extended Tekhex、ASCII...  
Contact Testing、Blank Check、Erase、Program、Verify、Option/Protection、  
Multiple StarProg-F、HDCP Key programming

### Operation Environment

Altitude  
Temperature  
Humidity

>5000m  
+5°~+40°C  
20%~70%

### Power

USB 5V or DC 5V/2A

### Dimension

135mm\*75mm\*17mm

### Weight

101g

### Standard Accessories

1. StarProg-F main unit\* 1
2. USB cable\* 1
3. CD-ROM (Include Dediware software and user manual) \* 1

