



StarProg-U

Engineering Universal IC Programmer

www.dediprog.com



StarProg-U is a universal engineering IC programmer that supports a variety of IC on the market, like EEPROM, SPI NOR/NAND Flash, Parallel NOR/NAND Flash, eMMC/eMCP, and MCU, etc. Powered by USB port and does not need external power. StarProg-U provides users Command Line for software redevelopment. Palm size and space saving. Whether engineering development or low volume production, StarProg-U offers user the best solution.

Features

High Speed Programming

Built in high speed processor to achieve high programming speed Timing reference (P+V)

MX25L1655D -----	8.5s	S29GL064S -----	16.4s
S34ML01G200T ----	44s	STM32F302CCT ---	14.4s

Support all Flash IC and packages

1. Support EEPROM, SPI NOR/NAND Flash, Parallel NOR/NAND Flash, MCU, eMMC/eMCP, CPLD, and FPGA, etc.
2. Support DIP, SOP, SSOP, TSOP, PLCC, QFN, LQFP, and BGA package, etc.
3. Regular device update.

Support a variety of file formats

Binary, Intel Hex, Motorola, ROM, etc.

Support 1.8V low voltage IC

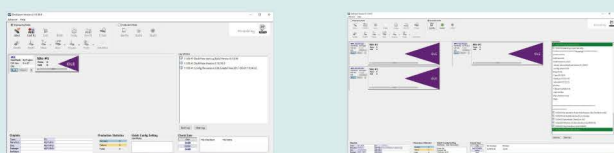
Provide Command Line

User can use 3rd party software to control the programmer through Windows command line.

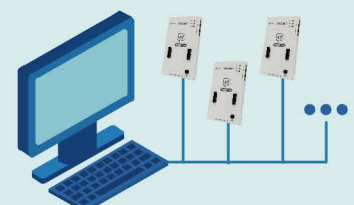
Powered by USB port, need no external power

Unlimited number of StarProg-U can be driven by 1PC

Window GUI



Multiple StarProg-U



Specification

Hardware

Architecture	ARM and FPGA architecture with high density SDRAM
External Memory Card	8 GB micro-SD card
Protection Feature	Overcurrent and ESD protections
Vcc Range	1.6~5V
Vcc Current Limit	~300mA
Vpp Range	1.6~12V
Vpp Current Limit	~100mA
Programming Interface	Socket adaptor
Support IC Category	EEPROM, SPI NOR/NAND Flash, Parallel NOR/NAND Flash, MCU, eMMC/eMCP, CPLD, FPGA, etc.
Support IC Package	DIP, SOP, SSOP, TSOP, PLCC, QFN, LQFP, and BGA, etc.
Operation Interface	Busy/Pass/Error LED, Start key
PC Connection Interface	High speed USB 2.0

Software

Operating Software	Dediware
Operating System	Windows XP/Vista/7/8/8.1/10
Support File Format	Binary, Intel Hex, Motorola, and ROM, etc.
Programming Mode	Engineering Mode and Production Mode
Engineering Mode	<ol style="list-style-type: none">1. IC selection and image file loading2. IC Erase, Blank check, Program, and Verify3. IC configuration and batch setting4. Serial number or unique key programming setting5. Project file operation
Production Mode	<ol style="list-style-type: none">1. Count all PASS/ERROR amount2. Output project execution report automatically
Others	<ol style="list-style-type: none">1. IC information, checksum information2. Extra scan bad block function for NAND Flash IC3. Automated save log in PC4. Command line to load and execute project file5. Display in English, Simplified Chinese or Traditional Chinese

Special Features

Multiple StarProg-U, serial number and Unique key (ex. HDCP) programming.

Power

USB 5V or DC 5V

Dimension (W x D x H)

135 x 75 x 17mm

Weight

101g

Standard Package

1. StarProg-U x 1
2. USB Cable x 1
3. CD-ROM (Include Dediware Software and user manual) x 1
4. AC 100~240V to DC5V/1A Power Supply x 1
5. 8 GB SD card x 1



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