

StarProg-A

Universal On Board (ICP/ISP) Programmer

www.dediprogram.com



StarProg-A supports MCU, CPLD, SPI NOR Flash, SPI NAND Flash, and EEPROM on board programming (ICP/ISP). It is optimized for the integration of automated machines and can be easily used in development and mass production.

Advanced Features

1. Palm Size.
2. Provide Command Line, labview driver, and DLL API (support serialization and unique key programming) for redevelopment and integration.

Optimized for automated machines

1. Boot up quick self-test.
2. Signal enhancements allow much longer signal cable lengths for integration.
3. Voltage and frequency control through software can stabilize the programming signal.
4. The ATE Port in the ISP adaptor makes remote control available via Busy/Pass/Error and Start pins.
5. Various standard adaptors are available, and programmable ICs can be programmed through online, offline or Standalone, and can quickly clarify and eliminate the production problems.
6. Support multiple programmers to program ICs (same file).

Features

Support 1.2V ultra low voltage IC & 1.8V low voltage IC

Support several kinds of ISP Protocols

SWD, JTAG, SPI, I2C, BDM, UART, and SWIM, etc.

Support various IC families

MCU, CPLD, SPI NOR Flash, SPI NAND Flash, and EEPROM.

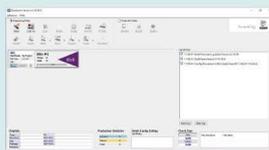
Support a variety of file formats

Binary, Intel Hex, Motorola, and ROM, etc.

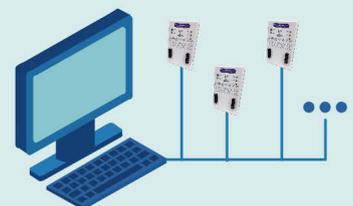
Support Standalone mode

Able to program without connecting to a computer.

Window GUI



Multiple StarProg-A



Specification

Hardware

Architecture	ARM and FPGA architecture with high density SDRAM
Internal Buffer	256MB
Protection Feature	Overcurrent and ESD protections
Vcc Range	1.8~5V
Vcc Current Limit	~200mA
Vpp Range	5~12V
Vpp Current Limit	~60mA
Programming Interface	ISP Adaptor or IC Socket Adaptor (Optional)
Support IC Category	MCU, CPLD, SPI NOR Flash, SPI NAND Flash, and EEPROM.
Programming Protocol	SWD, JTAG, SPI, I2C, BDM, UART, and SWIM, etc.
Operation Interface	Busy/Pass/Error LED, Start key
PC Connection Interface	The programmer provides a USB 2.0 interface. The ATE interface is provided by the ISP adaptor.

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 loading 2. IC Erase, Blank check, Program, and Verify 3. IC configuration and batch setting 4. Serial number or unique key programming setting 5. Project file operation
Production Mode	<ol style="list-style-type: none"> 1. Count all PASS/ERROR amount 2. Output project execution report automatically



Special Features

1. Multiple StarProg-A programming
2. Serial number programming (requires PC)
3. Unique key file programming (requires PC)
4. Log data Automatic output (requires PC)

Power

USB 5V or DC 5V

Dimension (W x D x H)

108 x 67 x 20 mm

Weight

70g

Standard Package

1. StarProg-A x 1
2. USB cable x 1
3. AC 100~240V to DC 5V/1A power supply x 1
4. ISP Adaptor (SPA-ISP-ADP-STD) x 1
5. ISP Cable (ATE-SP-CB-20) x 1
6. CD-ROM (including Dediware and User Manual) x 1



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