



SF600Plus-G2U

In-System Programmer

www.dediprogram.com



The SF600Plus-G2U is a high-speed programmer designed specifically for In-System Programming (ISP/on-line programming) and off-line programming modes, supporting MCU, CPLD, SPI NOR Flash, SPI NAND Flash, EEPROM, etc. It enables on-line production programming control through USB or ATE Port, facilitating easy integration into production lines.

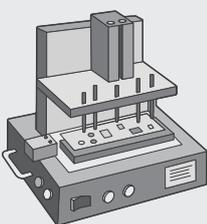
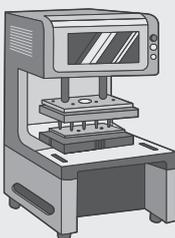
In addition to being compatible with the original SPI programming, it also adds a dedicated on-board programming application for ISP, making it easy to apply to the In-Line ICT/FCT integrated programming test platform.

Features

- Supports **SF600Plus-G2** software.
- Supports IC Kinds: EEPROM, SPI FLASH, MCU, CPLD, etc.
- Supports multiple programming communication protocols: SWD, JTAG, DAP, UART, I2C, CAN, LIN, etc.
- Supports engineering mode and mass production mode.
- Supports user-customized script execution for the programming process.
- Supports Project mode for stand-alone programming.
- In stand-alone mode, supports ATE port for on-line production mode control.
- Supports simultaneous asynchronous programming across multiple programmers and PCB boards.
- Wide programming voltage range, supports minimum 1.2V to maximum 12V configuration.

In-System Programming Application Scenarios



Easy Fixture	Semi-Automatic Station	In-Line Tester
		

Specification

Hardware

Architecture	High Performance ARM and FPGA architecture
Embedded Memory	4GB memory
PC Connection Interface	High speed USB 2.0 TYPE-C, Ethernet Port
ATE Interface	Status and control IO signals for Start/Pass/Busy/Error signals of 5V TTL signals
Programming Interface	In-System Programming (ISP) / Off-line Mode (SPI supported socket adaptor only)
Supported IC Kinds	EEPROM, SPI NOR/NAND Flash, MCU, CPLD, etc.
Operation Interface	LED indicators display Power/Pass/Busy/Error status; Start button
VCC1 Range	1.2 to 5V
VCC2 Range [Bus Level]	1.2 to 5V
VPP Range	5 to 12.0V
Protect Mechanism	Overcurrent / Anti-static protection (based on actual measurement)

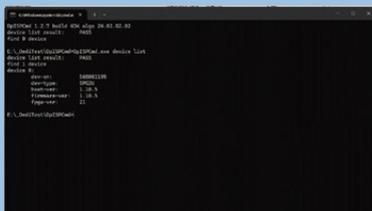
Software

Operating Software	DPISP GUI / DPISPCMD CLI / DediProg Engineering / DediProg Production / DpCmd
Operating System	Windows 8/8.1/10/11, DPCMD (SPI NOR only)
Support File Format	Binary, Intel Hex, Motorola, etc.
Programming Functions	Blank Check, Erase, Program, Verify, Engineering Mode and Option Register Modify
Edit Script	Supports editing and running scripts, suitable for On-Line production scenarios
Other Advantage	Convenient for users to carry out secondary development

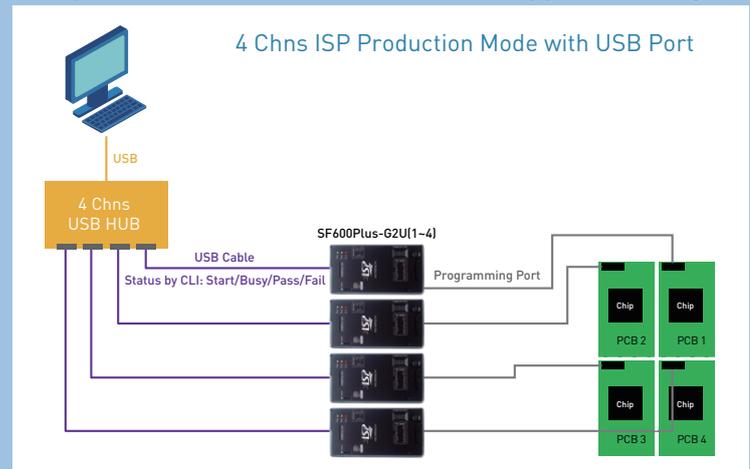
DPISP GUI



DPISPCMD CLI



Multiple SF600Plus-G2U and PCB boards Application diagram



DediProg Technology Co., Ltd.

Taiwan Headquarter
T/ 886-2-2790-7932
E/ sales@dediprogram.com

China
T/ 86-21-5160-0157
E/ sales@dediprogram.com.cn

Korea
T/ 82-31-275-3838
E/ korea@dediprogram.com

Malaysia
T/ 607-360-9719
E/ sales@dediprogram.com

Thailand
E/ sales@dediprogram.com

U.S.
T/ 1-909-274-8860
E/ america@dediprogram.com

Vietnam
T/ 84-396-773-868
E/ sales@dediprogram.com

India
T/ 91-89257-08018
E/ india@dediprogram.com

Europe
E/ europe@dediprogram.com

Japan
E/ japan@dediprogram.com

Mexico
E/ america@dediprogram.com