SF600/SF600Plus is a high speed Serial Flash programmers with In Circuit Programming (update the SPI Flash soldered on board) and Off-line programming (update the SPI Flash in the socket adaptor) functions. The programmer is easily controlled with the computer. DediProg software offers friendly interfaces and powerful features to our users.

SF600Plus is an upgrade version of SF600. The main difference is that SF600Plus embeds a 8GB memory, which allows Stand-Alone Programming.

**Features**

- High speed USB and high SPI performance, supports up to 2Gb SPI Flash.
- In-Circuit & Off-line programming.
- Start button feature: Able to Batch.
- Stand-Alone Mode (SF600Plus Only): Support Start button programming and IO Port programming.
- Program two Serial Flash memories.
- Signal conflict protections.
- Multi-Programmers Capability through USB.
- Support 1.8V low voltage IC.
- Support Windows 2003 and above.
- Support both 32 and 64bit OS.
- Support 1 CS pin.

**High Performance**

<table>
<thead>
<tr>
<th>USB Mode</th>
<th>Reference IC</th>
<th>Memory size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>W25Q80VSSIG</td>
<td>8Mb</td>
</tr>
<tr>
<td></td>
<td>W25Q16VSSIG</td>
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<td>W25Q32VSSIG</td>
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<td>W25Q64VSSIG</td>
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<tr>
<td></td>
<td>W25Q128VFIG</td>
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<td>W25Q256VFIG</td>
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<tr>
<td></td>
<td>W25Q512VFIG</td>
<td>512Mb</td>
</tr>
</tbody>
</table>

Program time:

- 9s
- 11.6s
- 12.6s
- 31s
- 61.7s
- 89.2s
- 147.4s

*Please note the programming and verify time will depend on different IC type, please refer to the IC specification before programming.*

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DediProg Technology

www.dediprog.com
sales@dediprog.com

Taipei Headquarter  TEL: + 886 - 2 - 2790 - 7932  FAX: + 886 - 2 - 2790 - 7916
4F, No.7, Lane 143, Xinning Rd., Neihu District, Taipei, Taiwan, R.O.C 114

Shanghai Office  TEL: +86 - 21 - 5160 - 0157
Room 518, Building 66, Lane 1333, Xinhong Road, Yanke Hongqiao CBD, Min Hang District, Shanghai, P.R.C. 201101

U.S. Office  TEL: +1-909-274-8860
209 E Baseline RD, Suite E208 #8, Tempe, AZ, 85283, USA
## SF600/SF600Plus
### Serial Flash Programmer

### Hardware
- **Architecture**
  - ARM and FPGA architecture with high density SDRAM.
- **IC Adaptor**
  - ICP(ISP)/Off-line(Socket adaptor)
- **Communications Interface**
  - DIP, SOP, SSOP, TSOP, PLCC, QFN, LQFP, BGA...etc.
- **Operation Interface**
  - High speed USB 2.0
  - 8GB memory (SF600Plus only)
  - Busy/Pass/Error LED, start button, power LED, and IO Port.
- **Hardware Protection**
  - Overcurrent and ESD protections.
    - Vcc: 1.6~5V ~300mA
    - Vpp: 1.6~12V ~100mA

### Supported IC
- SPI NOR Flash

### Software
- **Operation Software**
  - DediProg Engineering/DediProg Production/DpCmd
- **OS Supporting**
  - Windows XP/Windows Vista/Windows 7/Windows 8/Windows 8.1/Windows 10
  - Binary, Hex, Motorola, and ROM.
- **File Typed Supported**
  - Blank Check, Erase, Program, Verify, Engineering mode, and status register modify.
- **Programming Function**
  - Multiple SF600 or SF600Plus Capability

### Power
- USB 5V or DC 5V/1A

### Dimension
- W135mm*D75mm*H17mm

### Weight
- 105g (without socket adaptor)

### Standard Accessories
1. SF600 or SF600Plus main unit *1
2. USB Cable *1
3. ISP Cable
4. SF100 2.54mm 2*4 ISP Cable *1
5. SF600 Universal Adaptor*1
6. CD-ROM (Include DediProg Software and user manual)*1
7. AC Power Adaptor *1 (SF600Plus only)