



**XELTEK**  
SUPERPRO®

## SuperPro IS03 In-System (ISP) Gang Programmer

### Highlights

#### Call factory for quote.

- Program up to 16 serial devices simultaneously
- Up to 4 parallel ISP chips can be programmed simultaneously (eMMC, NAND and NOR FLASH)
- Multiple programmers can be set up for project expansion
- Custom adapter available for off-line production setup
- USB2.0, LAN and SD ports available
- Operation modes: USB online, network online and off-line
- Adjustable programming speed and industrial grade reliability
- DLL/API/Command-Line Commands available with authorization agreement from both parties (Initial solution for integrating ISP sub-systems of ICT, FCT, ATE and testing fixture)
- CE and ROHS Compliant

### Expanded Features

- High-speed ISP production programmer with industrial grade quality. The ultimate choice for integrating ISP sub-systems.
- Supports almost all serial chips which include, but not limited, SPI,I2C,JTAG, BDM,UART,MON,SCI,SWD, SBW,C2D,ICC,SWIM,SDQ,DBG,ICE,CSI,LIN
- Supported manufactures include, but not limited, ABOV,Ali,Altera,Atmel,Catalyst,Cypress,Freescale,Fujitsu,Haier,Hitachi,Hynix,Infineon, IR,ISSI,Lattice,Macronix,Maxim,Microchip,Micron,NEC,Numonyx,NXP,ON, Panasonic, Renesas,Rohm,Samsung,Sanyo,Silicon,Labs,Spansion,SST,ST, Teridian, TI, Toshiba, Winbond, Xilinx, Zilog
- Programs up to 16 serial chips or 4 parallel NAND,NOR,eMMC chips simultaneously
- Support ISP serial programming to multiple chips of different models or types in one unit
- General control ports supply signal isolation, relay isolation, power supply control, click detection, LED expansion display and other control signals
- High-speed programming with adjustable speed meets board load requirement or ISP cable length
- Three modes: 1) Online mode. Connected to local PC by USB2.0(high speed) 2) Off-line mode. Using the stand-alone keyboard, LCD display, and mobile memory (standard SD cards), SuperPro IS03 can run independently off-line for flexible production and field setup. Project file size is only limited by the SD card memory size.3) Network mode. Connected to local network, control locally or remotely.
- Advanced pin-driver technology supplies cleaner signals, wider voltage range and accurate / higher clock frequency. Precise time generators ensure devices with 1.2V-5.0V Vcc higher speed and qualified product ratio
- Chip safety security mechanism: the built-in precise voltage self-calibration circuit ensures the voltage is within the preset range at any time. The self-diagnosis function continuously detects hardware fault to ensure the machine run normally.
- Over-current, over-voltage and ESD protection avoids damaging the programmers
- Powerful DLL, API, Command-Line Commands support Visual C, Visual Basic, Linux and Labview. SuperPro IS03 is easily integrated with ICT, FCT, ATE or testing fixture systems.
- Powerful software system with user-friendly interface: simplifies operation, improves efficiency and reduces mistakes
- **Project.** Simplifies processes such as device selection file loading, device configuration setting, program option, and batch file setting into one step
- **Project Group.** Organizes batch processing commands for multiple projects running simultaneously.
- **Super Scale Project Group.** Complicated PCBA or multiple combined PCBAs may need multiple programmers to work properly. The Super Scale Project Group is responsible for the work flow across multiple programmers.
- User operation interface is shown by PCBA
- **Auto Commands.** Permit users to create a one-step command to execute common commands such as erasing, space-checking, programming and verification
- **Production Mode.** Initiated by an external Start signal. Once the clamp is closed, the system runs automatically. As an off-line programmer, once the chips are inserted correctly into the sockets, Auto Commands will run automatically.

- **Dynamic Buffer.** Every chip may have different data to be written, and software can adjust by Xeltek per user's request (i.e. standard and customized series number generator – for MAC address).
- Log document and production statistics function facilitates quality-tracking.
- Copyright Protection with SD encryption, document right management and encryption, output limitation and remote control.
- **Expansion.** Users can control up to 12 machines simultaneously with a USB HUB or LAN SWITCH.
- Support JAM/STAPL Player and Direct C
- Support and recognize almost all known formats automatically
- **Barcode management.** Upload documents by scanning order barcodes to eliminate manual mistakes.
- Customized special functions and algorithm software available
- Web Programmer + Network management software (optional) create a revolutionary network writing management mode. Project setting, task switching and software updating for all programmers can be finished instantly on a server while quality-monitoring and QC statistic can be done in real time. Such mistakes as empty-writing can be tracked, and the written data is saved only on local or remote servers for data safety.
- Using a customized socket adapter, SuperPro IS03 can be used as an off-line production programmer, and programs up to 4 chips simultaneously.
- Compatible with WINDOWS 8/7/VISTA/XP
- CE and RoHS Compliant



CE Compliant   RoHS Compliant   ISO 9001 Certified   ISO 14001 Certified

## Hardware & electrical Specifications

- Supports all common ISP protocol (i.e. I2C, SPI, UART, BDM, MW, JTAG, CAN, RS232). Contact Xeltek for more details.
- PC interface: USB2.0 (high speed), LAN (100M)
- Off-line memory media: SD card
- Keypad and Display : 6-key keyboard, LCD display with 40digits x 4lines
- Power Supply : DC 12V /1.5A. Power adapter
- Main Unit: Dimension : 184 x 160 x 78 (mm); Weight: 0.8Kg
- Package : Dimension: 310 x 250 x 145 (mm); Weight: 1.65Kg
- Operating Temperature: 0-50°C. Humidity: 20%-80%

## Items Included

- One SuperPro IS03 programmer
- 4 ISP cables included with purchase
- One connecting cable for USB interface
- One SD card
- One power adapter (output DC 12V)
- Installation software, one CD-ROM disc.
- One user registration form

## Optional Accessories

- Additional ISP cable, ISP control cable, network cables, off-line adapter

2GB SD Card

