



PROGRAMMER FEATURES

- Two operating modes available
 - 1) PC-Hosted Mode: Programmer is controlled by a PC via USB port
 - 2) Stand-Alone Mode: Operation is performed via the keyboard, LCD, and an optional SD card without a PC attached. Project file(s) should be downloaded onto the SD card from a PC prior to Stand-Alone operation.
- Supports ISP programming of devices with I2C, SPI, CAN, UART, BDM, MW, JTAG, or any other serial port.
- Built with on-board Flash memory and a slot for SD card.
- Built with LCD display and Keypad for stand-alone operation. Customized BIOS and user interface will be provided.
- An external AC power adapter will provide power to the programmer and target device. There will be no power applied from the target equipment.
- DLL or Virtual Com communication command set available for third party application (optional).
- Over-current protection circuit limits power to the target device.
- Serial number is written within the built-in flash memory, which will be displayed when powered on.
- 2 year warranty

Overview

SuperPro IS01 is a professional multi-function serial programmer with compact size, fast programming speed, good reliability and high cost performance. It supports almost all serial programmable devices and is very suitable for in-system or in-application applications. It is designed to communicate using USB 2.0 port for development requirement and can also work in standalone mode (without connecting to a PC) for production requirement.

Advantages

- **Ultra-Fast Programming Speed** Our semiconductor manufacturer approved algorithms, precision and clean signals guarantee high programming yield. Algorithms are performed with state machine architecture constructed with FPGA to achieve an ultra-high programming speed.
- **Largest ISP Device Library** SuperPro IS01 currently supports more than 10,000 devices, which is the largest device library in the serial programming industry. SuperPro IS01 supports all common ISP protocols such as I2C, SPI, UART, BDM, MW, JTAG, CAN and RS232.
- **Longer Cable Length - Supported with Adjustable Speed** SuperPro IS01 is a serial programmer with an ISP cable that can program a target board up to 3 feet (1M) in distance. VDD (0-5.5V / 0.5A) and Vpp (0-15V / 0.2A) lines provided to power the target board and the target devices.
- **Mass Production Mode** Once the programmer detects that the target board is ready and receives an ISP signal, it immediately starts the functional operation defined by AUTO without keyboard operation. TPIN and TPOUT in the ISP port are provided for this purpose. TPOUT supplies high level, and TPIN is the level detection input line.
- **Multi Programming** Up to 12 programmers can be connected to a single PC for programming multiple PCBs or all the programmers can be used in stand-alone mode.
- **Technical Support** Xeltek is proud to offer same day support for technical inquiries.

SuperPro IS01 comes with

- ISP Cable
- USB Cable
- Software CD
- SD Card for stand-alone operation
- AC Adapter

Specifications

ISP Protocol Supported	All common ISP protocol i.e. I2C, SPI, UART, BDM, MW, JTAG, CAN, RS232 (Contact Xeltek for more details)	
PC Interface	USB 2.0	
PC Compatibility	Windows XP/Vista/7/8/10 (32/64 bit)	
Power Supply	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
Dimensions	Main unit: 137(L) x 87(W) x 45(H) mm	Package: 304(L) x 228 (W) x 76(H) mm
Weight	Main unit: 0.34kg (0.75 lbs)	Package: 1.36kg (3 lbs)



Advanced Software Features

SuperPro IS01 comes with a powerful and easy-to-use programming software. The biggest advantage is its simplicity so that any operator can operate the programmer with little or no training. SuperPro IS01 software is supported on Windows Vista, 7, 8, and 10.



Project Files The project file stores preparations before programming. Users could also restore and save work environment. The project file includes device type, buffer data, operation option settings, configuration bit setting and batch commands. Project files may be password protected to increase security and reliability when operated by untrained operators.



Project Group: Operate Multiple Project Files in Batch Mode Multiple chips could be programmed simultaneously using the Project Group feature on the SuperPro IS01 software. Project Group organizes batch running of multiple projects and is available on all SuperPro IS01 models.



Production Statistics A log file could be used to save operation information before exiting the program. Log files can also be used to facilitate quality tracking.



LabVIEW Integrating SuperPro IS01 onto an existing LabVIEW environment is a simple task. Previously, users had to purchase DLL functions and create a set of custom VIs for integration, taking days and resulting in expensive engineering time. The LabVIEW driver package is ready to be used in the test program with very little need of coding and customization. Standard LabVIEW driver is available for download.



XPlayer SuperPro IS01 supports JAM, SVF and Staple files from ACTEL, Xilinx and ALTERA. SuperPro IS01 also supports Direct C files from ACTEL. STP or JAM files can be generated using design tools such as ISE and Quartus II.



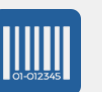
Auto Function The Auto function organizes different functions into a sequential group (erase, blank check, program, verify and protect). Functions are executed in sequential order similar to a batch command.



Auto Recognition of File Types We support almost all kinds of known file formats including file formats with automatic recognition function: Binary, Intel (linear & segmented) Hex, Motorola S, Tektronix (linear & segmented), JEDEC, POF, etc.



Factory Mode This mode is designed for factory volume production. To prevent operation errors from destroying the chips and wrong data written to the chip, SuperPro IS01 will operate in the Auto function mode. The administrator can set a password to prevent unauthorized access to the system.



Auto Increment of Serial Numbers Auto-generation of electronic serial numbers is available on SuperPro IS01. This feature is implemented by setting [Auto Increment in Operation Option](#). Auto Increment allows users to add unique serial number into the device. After each successful programming, the software automatically changes the value by the specified increment mode.



Intellectual Property Protection Password settings available in both PC and stand-alone mode.