SuperPro 611S

Low-Cost Stand-Alone Universal IC Programmer

Overview

SuperPro 611S is a cost-effective, reliable, and high-speed universal chip programmer. 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. Comes with free software updates.

Application and target customers: Electronic repair, car repair shops, medical devices, students and hobbyists.

Advantages

- **Ultra-Fast Programming Speed** SuperPro 611S is designed with high programming speed in mind. Our semiconductor manufacturer approved algorithms, precision and clean signals guarantee high programming yield. Special design was made to eliminate overshoot and ground bounce. Algorithms are performed with state machine architecture constructed with FPGA to achieve an ultra-high programming speed.
- **Stand-Alone Mode** SuperPro 611S is capable of operating in stand-alone mode. Under stand-alone mode, it can be operated by an inexperienced operator with minimal training. Users can also use clusters of stand-alone programmers to achieve high volume production. Last but not the least, stand-alone mode saves both the cost of PC and labor of the trained and qualified operator.
- **Tester for Logic Devices and SRAMS** SuperPro 611S is also designed for IC testing of various devices such as TTL, CMOS Logic (74/4000 series), and SRAM memory devices.
- **Technical Support** Xeltek is proud to offer same day support for technical inquiries.

SuperPro 611S comes with

- Software CD
- AC Adapter
- USB Cable

PROGRAMMER FEATURES

- SuperPro 611S supports 37,200+ IC devices from 249 manufacturers and continuing.
- Ultra fast programming speed: programs and verifies 64 MB NOR Flash memory in 11.3 seconds.
- Built with 48 pin drivers for support of today's most complex devices.
- Universal and device independent socket adapters are available for various package types.
- Two operating modes:
  - PC mode via USB 2.0 port and PC communication.
  - Stand-Alone mode (no PC required).
- Cluster 1-15 units for volume production.
- Supports VCC from 1.2V to 5V.
- In-circuit programming capability available via ISP/ICP adaptor.
- Only IC manufacturer approved programming algorithms are used for high reliability. VCC verification at (+5% - 5%) enhances programming reliability.
- Provides over-current and over-voltage protection for safety of the chip and programmer hardware.
- 2 year warranty

Specifications

Devices Supported	EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration PROM, FLASH memory (NOR), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU
Package Types Supported	DIP, SDIP, PLCC, JLCC, PGA, LGA, SOIC, SOJ, SOT, QFP, TQFP, PQFP, VQFP, MQFP, LQFP, TSOP, SOP, TSOPII, PSOP, SSOP, TSSOP, SON, EBGA, FBGA, FTBGA, VFBGA, μBGA, CSP, SCSP, QFN, HVQFN etc.
PC Interface	USB 2.0
PC Compatibility	Windows XP/Vista/7/8/10 (32/64 bit)
Stand-alone Memory	Compact FLASH Card
Power Supply	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A
Dimensions	Main unit: 80(L) x 57(W) x 30(H) mm · Package: 130(L) x 110(W) x 50 (H) mm
Weight	Main unit: Weight 1.35 lbs (0.6 Kg) · Package: Weight 4 lbs (1.8Kg)

Advanced Software Features

SuperPro 611S 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 611S 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.

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.

Production Mode Once a chip is inserted correctly, the programmer automatically starts batch command of erase, blank check, program and verify. Auto chip detection saves time and increases efficiency.

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

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 611S 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 611S. 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.