



### PROGRAMMER FEATURES

- SuperPro 610P supports 33,700+ IC devices from 240 manufacturers.
- 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.
- 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

### Overview

SuperPro 610P is a high performance and low cost 48 pin programmer with USB2.0 interface which comes with free software updates.

Application and target customers: Low to medium volume programming, electronic repair, car repair shop, students and hobbyists.

### 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 a ultra-high programming speed.
- **Tester for Logic Devices and SRAMS** In addition to having a large device library, SuperPro 6100 programmer 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 610P comes with

- Software CD
- AC Adapter
- USB Cable

### Specifications

<b>Devices Supported</b>	EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration PROM, FLASH memory (NOR), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU	
<b>Package Types Supported</b>	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.	
<b>PC Interface</b>	USB 2.0	
<b>PC Compatibility</b>	Windows XP/Vista/7/8/10 (32/64bit)	
<b>Power Supply</b>	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
<b>Dimensions</b>	Main unit: 70(L) x 52(W) x 15(H) mm	Package: 150(L) x 120(W) x 30(H) mm
<b>Weight</b>	Main unit: Weight 0.85 lbs (0.4 Kg)	Package: Weight 3 lbs (1.4Kg)



## Advanced Software Features

SuperPro 610P 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 610P 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 used 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 610P 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 610P. 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 PC mode.