



PROGRAMMER FEATURES

- **Extensive Device Support:** The SuperPro 610P supports over 34,000+ IC devices from 240 manufacturers.
- **Ultra-Fast Programming Speed:** Programs and verifies 64 MB NOR Flash memory in just 11.3 seconds.
- **Advanced Pin Driver Technology:** Built with 48 pin drivers to support today's most complex devices.
- **Universal Socket Adapters:** Device-independent socket adapters are available for various package types.
- **Wide Voltage Range:** Supports VCC from 1.2V to 5V.
- **In-Circuit Programming:** Capability available via ISP/ICP adapter.
- **High Reliability:** Utilizes only IC manufacturer-approved programming algorithms. VCC verification at (+5% to -5%) enhances programming reliability.
- **Safety Features:** Provides over-current and over-voltage protection to ensure the safety of the chip and programmer hardware.
- **Warranty:** Comes with a 2-year warranty.

Overview

The SuperPro 610P is a high-performance, cost-effective 48-pin programmer featuring a USB 2.0 interface and free software updates.

Application and target customers:

- Low to Medium Volume Programming
- Electronic Repair Shops
- Car Repair Shops
- Students and Hobbyists

Advantages

- **Ultra-Fast Programming Speed:** The SuperPro 610P uses semiconductor manufacturer-approved algorithms, ensuring precision and clean signals for high programming yield. The state machine architecture constructed with FPGA delivers ultra-high programming speeds.
- **Tester for Logic Devices and SRAMs:** Beyond its extensive device library, the SuperPro 610P is designed for IC testing of various devices, including TTL, CMOS Logic (74/4000 series), and SRAM memory devices.
- **Technical Support:** Xeltek offers reliable and prompt technical support to assist with any inquiries and ensure smooth operation.

SuperPro 610P comes with

- AC Adapter
- USB Cable

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, JLC, 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 11 (32/64bit)	
Power Supply	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
Dimensions	Main unit: 70(L) x 52(W) x 15(H) mm	Package: 150(L) x 120(W) x 30(H) mm
Weight	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 11.



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.