



## Overview

SuperPro 6100 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. It has the largest device support count in the programming industry with 144 pin drivers to support high pin count chips.

Application and target customers: Programming houses, electronic repair, car repair shops, forensic and data recovery companies, medical devices, requirement for larger device support.

## Advantages

- **Ultra-Fast Programming Speed** Our semiconductor manufacturer approved algorithms, precision and clean signals guarantee high programming yield.
- **Largest Device Support** Located in Silicon Valley, we keep good relationships with many major IC companies that are important for us to continuously support new devices.
- **Built-In 144 Pin Driver** SuperPro 6100 is equipped with a built-in universal 144 pin driver to accommodate large pin count devices. One universal adapter accommodates all devices with the same package type.
- **Stand-Alone Mode** SuperPro 6100 is capable of operating in stand-alone mode. Under stand-alone mode, it can be operated by an inexperienced operator with minimal training.
- **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.

## PROGRAMMER FEATURES

- SuperPro 6100 supports 99,900+ IC devices from 371 manufacturers and continuing.
- 30% faster programming speed compared to SuperPro 5000 with ARM9 MCI-J Processor.
- Supports eMMC 1 NAND files up to 256 GB.
- Improved universal 144 pin-driver technology provides a cleaner signal, wider voltage range and more accurate clock frequency.
- 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.
- Free user requested device updates
- 2-year warranty

## SuperPro 6100 comes with

- DX0001 DIP48 Socket Adapter
- 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, 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.	
<b>PC Interface</b>	USB 2.0	
<b>PC Compatibility</b>	Windows XP/Vista/7/8/10 (32/64 bit)	
<b>Stand-alone Memory</b>	Compact FLASH Card	
<b>Power Supply</b>	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
<b>Dimensions</b>	Main unit: 148(L) x 216(W) x 94(H) mm	Package: 301(L) x 252(W) x 145(H) mm
<b>Weight</b>	Main unit: Weight 3.5 lbs (1.6 Kg)	Package: Weight 6.2 lbs (2.8Kg)



## Advanced Software Features

SuperPro 6100 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 6100 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 6100 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 6100. 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.



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