SuperPro 7100

High Speed NAND Flash Gang Programmer

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PROGRAMMER FEATURES

- Triple operation modes for various application requirements
  1) PC hosted mode. The programmer is controlled by PC via USB2.0;
  2) Stand-alone mode. The programmer is controlled via a 6-Key keypad and a 20 character by a 4-line LCD display. A SD card is used to store the project files.
  3) Network mode. With the LAN port it's an easy job to connect the programmer to LAN or Internet.
- Supports NAND FLASH, NOR FLASH, Serial EEPROM/FLASH/NAND, and eMMC. Supports devices as low as 1.2V.
- Support up to 4 chips in parallel
- Many safety mechanisms: self-calibration, self-diagnosis, wrong chip placement detection, poor-pin-contacting detection, ID checking, over-current and over-voltage protection etc.
- 2 year warranty

Overview

SuperPro 7100 is a high performance programmer with ultra-high programming speed that is 10 times higher than SuperPro 5000 for eMMC. With the same programming engine with SuperPro 7500, it has IC manufacturer approved programming algorithms with industry grade quality and reliability.

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.
- **Customized 4 Gang** Adapters SuperPro 7100 can be used to program up to 4 chips at a time.
- **Stand-Alone Mode** SuperPro 7100 is capable of operating in stand-alone mode. Under stand-alone mode, it can be operated by an inexperienced operator with minimal training.
- **LAN Mode** On SuperPro 7100, remote controlling can be achieved using the LAN port. Using the LAN port, programmers can be connected to a local network and can be remotely controlled via any computer on the network.

- **Technical Support** Xeltek is proud to offer same day support for technical inquiries.

SuperPro 7100 comes with

- Software CD
- AC Adapter
- USB Cable
- SuperPro 7100 Programmer main unit

Specifications

Stand-alone Storage Media	SD card	
Package Types Supported	TSOP48, TSOP56, BGA107, BGA137, BGA162, BGA169, …	
PC Interface	USB 2.0 (high speed), LAN (100M)	
PC Compatibility	Windows XP/Vista/Win7/Win8	
Power Supply	AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A	
Dimensions	Main unit: 184 x 160 x 78 mm	Package: 310 x 250 x 145 mm
Weight	Main unit: Weight 0.8 Kg	Package: Weight 1.65 Kg
Keypad and Display	6 key keypad, 20 Character x 4l Line LCD	

Advanced Software Features

SuperPro 7100 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 7100 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 7100 software. Project Group organizes batch running of multiple projects and is available on all SuperPro 7100 models.

Super Scale Project Group Complicated PCBA or multiple combined PCBAs may need multiple programmers to work properly. The Super Scale Project Group is responsible for the workflow across multiple programmers.

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 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.

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 7100 will operate in the Auto function mode. The administrator can set a password to prevent unauthorized access to the system.

XPlayer SuperPro 7100 supports JAM, SVF and Staple files from ACTEL, Xilinx and ALTERA. SuperPro 7100 also supports Direct C files from ACTEL. STP or JAM files can be generated using design tools such as ISE and Quartus II.

Auto Increment of Serial Numbers Auto-generation of electronic serial numbers is available on SuperPro 7100. 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.

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.

Copyright Protection with SD encryption, project file encryption and access control, volume control and remote control.