

## **SUPERPRO® 6000E High-Speed Universal Device Programmer**

- ☆ Supports 74,800+ types of devices from 284+ IC manufacturers
- ☆ Dual mode: PC hosted and stand-alone operation
- ☆ High programming speed with faster processor than SuperPro 5000E
- ☆ Customer-specific NAND solution available
- ☆ Universal 144-pin driver
- ☆ Windows XP/Vista/Win7/Win8 compatibility



## Features

- Supports 74,800+ types of devices from 284+ IC manufacturers (as of June 2013). Supports NAND FLASH, large-pin-count and selected MCU devices.
- Supports EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA, PROM, FLASH (NOR & NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU Supports devices with Vcc as low as 1.2V. Socket Adaptors available for 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,  $\mu$ BGA, CSP, SCSP, QFN, HVQFN
- □ High programming speed with ARM 9 processor.
- Built-in 144-pin driver with universal adaptors available for various chip packages.
- □ Popular NAND FLASH Platform supported including Samsung (XSR1.0/1.6), Qualcomm, HYNIX (H1FFS), MTK (Solution V1.1), ICERA (v1.0/2.0), ST (7162, 7141), AMLOGIC (IF2/0), REALTEK, PICOCHIP, DataLight (Flash FX Pro), Marvell (310/303/920/935...), BroadCom, ZTE, Intel (CE4100), UBI, LEADCORE (L1809OG) and MSATR. Customer-specific NAND solution available.
- □ Dual mode: PC and stand-alone operatin. Under PC hosted mode the programmer is controlled by a PC via USB2.0 (high speed) to program a chip. Under stand-alone mode the programmer is controlled via a 6-KEY keypad and a 20 character by 4 line LCD display. A CF card is used to store project files. User can operate multiple units to construct a concurrent multi-programming system under stand-alone mode.
- ISP/ICP programming capability available via ISP/ICP adaptor.
- IC manufacturer approved programming algorithms are used for high reliability.
- Testing functions available for logic devices.
- Advanced and powerful software functions.
  - **Production mode** starts chip operation at the moment the chip is inserted in the socket properly.
  - **Project** function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one touch step.
  - **Password** can be set for project files and production volume control
  - **Batch command** combines device operations into a single command at any sequence.
  - **Dynamic buffer** makes it possible to program each chip with adifferent data file. Applications including serial number and MAC address.
  - **Log file** is useful for quality tracking.
- □ Safety mechanisms are built-in: self-diagnosis, wrong chip placement detection, poor-pin-contacting detection, ID checking, over-current and over-voltage protection etc.
- □ WINDOWS XP/Vista/Win7/ Win8 compatibility

## Volume Production Solution

- Users can operate multiple programmers simultaneously for high volume production environment. Clustering of programmers is a flexible and easy way for volume production setup.

Optional Compact Flash card is used to store user data and device algorithm in stand-alone operation. For most operation, 256MB size is recommended.

## Electrical and Mechanical Specification

- PC Interface: USB2.0 (High Speed)
- Stand-alone Storage Media: CF card
- GND banana jack
- Keypad and Display: 6 key keypad, 20 Character x 4l Line LCD
- Power Supply: AC Adaptor Input AC 100V- 240V; Output: 12V/1.5A
- Main Unit Dimensions: 216(W) \* 94(h) mm  
Weight: 1.6Kg
- Package: Dimensions: 301(L) \* 252(W) \* 145(H) mm;  
Weight: 1.6Kg
- Temperature: : 0-40° C
- Humidity: 20%-80%

## Items Included

SuperPro 6000 Programmer with a DIP48 Adapter  
AC adapter  
Software CD  
USB Cable

## Optional Accessories

- Socket adaptors for various packages
- CF card for stand-alone operation



CE Compliant



RoHS Compliant