

SUPERPRO[®] 580U

USB Interfaced Ultra-high Speed Stand-Alone Universal Device Programmer

- ☑ Programs and Verify 32Mb Flash Memories Within 13.5 Sec.
- ☑ 48 Pins Universal Pin-drivers
- ☑ Supports 34,000+ Devices including 1.5V devices
- ☑ High Programming Quality
- ☑ PC Hosted (USB)
- ☑ Powerful and Intelligent software



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USB Interfaces Ultra-High speed Universal Device Programmer

FEATURES

- ◆ **Programs high-density Flash memory devices at near theoretical minimum programming times** (Programs and Verify Intel 28F320W18, 32Mb, in 13.5 Sec.)
- ◆ **Standard 48 pin universal pin-drivers come with universal package adapters** to support all types of devices in same package with a single adapter.
- ◆ **Device-specific adapters are also available for devices above 48 pins** that are amount on DIL48 module. Down to 1.5V low voltage devices are supported directly thanks to the DAC controlled I/O levels.
- ◆ **Advanced hardware design minimizes ground bounce noise.** Only IC manufacturer approved programming algorithms are adopted. High yield rates are guaranteed for all devices including low voltage, critical and second-hand devices. $\pm 5\%$ and $\pm 10\%$ Vcc verification enhances programming reliability
- ◆ **Support 34,000+ devices from 180 manufacturers** including MEMORY, MCU and PLD.
- ◆ **Free software updates via Internet.**
- ◆ **Pin continuity and wrong chip insertion check prevent chips from accidental damage.**
- ◆ **Over-current and over-voltage protection for safety of the chip and programmer hardware.**
- ◆ **WINDOWS 98/ME/NT/2000/XP and VISTA compatibility.**
- ◆ **New user-friendly and powerful software with many new functions.**
 - * **Project** function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one touch step.
 - * **History** of device selection and file loading simplifies user operation.
 - * **Batch** command combines device operations like program, verify, security into single command at any sequence.
 - * **Auto Start Batch** command begins to program a chip automatically as soon as the chip is inserted.
 - * **Serial numbers** can be generated and programmed onto a chip.
- ◆ **The correct device type will be suggested according to the actual ID read** when a mistake type is selected. With help of the open API user can even change the buffer content from chip to chip. Recognizes file formats and detects large file offset automatically.

SPECIFICATIONS

Devices Supported:

EPROM, paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, TSOPII, SOP, PSOP, TSSOP, SON, EPGA, VFBGA, μ BGA, CSP, SCSP etc.

PC Interface: USB

HARDWARE & ELECTRICAL SPECIFICATIONS

Items Included: Main unit, AC Power adapter, Software (CD-ROM), USB Cable, User's Guide

Electrical Specifications: Input 100V-240VAC, Output 12VDC

Programmer Unit dimension: 180(L) x 140(W) x 50(H) mm

Gross Shipping Weight: 4Lbs. (1.8 kg)



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