

SUPERPRO[®]/580U

USB Interfaced Ultra-high Speed Universal Device Programmer

- ◆ Programs and Verify 32Mb Flash Memories Within 13 Sec
- ◆ 48 Pins Universal Pin-drivers
- ◆ Supports 30,000+ Devices including 1.5V devices
- ◆ High Programming Quality
- ◆ PC Hosted(USB)
- ◆ Powerful and Intelligent software



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FEATURES

- * Programs high-density Flash memory devices at near theoretical minimum programming times (Program + Verify Intel 28F320W18, 32Mb, at 13 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. No adapters are needed for DIL devices. Universal adapters ensure rapid algorithm update. Device-specific adapters are also available for devices above 48 pins that are mounted on DIL48 module. Down to 1.5V low voltage devices are supported directly thanks to the DAC controlled I/O levels.
- * Advanced hardware features minimized Bounce noise. Only IC manufacturers approved 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 promises programming reliability.
- * Supports 30,000+ devices from up to 158 IC manufacturers including MEMORY, MCU, PLD.
- * Free software update.
- * 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 compatibility.
- * New user-friendly and powerful software with many new functions for ease of use. 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 a 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 into devices automatically in anyway customer specified. 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 Adapter Supported:

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

- * PC Interface: USB
- * Items Included: Main unit, AC Power Adapter, Software (CD-ROM), User's Guide, USB Cable
- * Optional Accessories: Socket Adapters
- * Electrical Specifications: Input AC 90V-250V/50-60Hz, Power Consumption(Max): 40W
- * Physical Specifications: Packing Dimensions 325mm X 310mm X 83mm, Gross Weight 1.7Kg



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