

# TriozTechnologies India Private Limited

Rathinam Techno park, Pollachi Main Road, Coimbatore, TN, INDIA. Ph: +91 422 2679845, 2673750

#334, Sunnyvale Avenue, Apt C, Sunnyvale, CA 94086, USA. Ph: +1 415 992 5566, 408 530 9758

URL: [www.trioztech.com](http://www.trioztech.com)

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## SUPERPRO LX

### 48 PIN LOW Cost Universal Programmer

#### Features:

- Supports 3,888 devices and growing.
  - ✓ Memory: EPROM, EEPROM, FLASH, Serial EEPROM up to 8Mb.
  - ✓ Microcontroller: AMD, ATMEL, AVR, DALLAS, INTEL, ISSI, LGS, MICROCHIP PIC, PHLIPS, SIEMENS, SST, TEMIC, WINBOND, WSI, ZILOG etc.
  - ✓ PLD: AMD, LATTICE, ATMEL, CYPRESS, NSC, ST, ICT etc.
- Advanced pin-driver technology.
- High programming speed.
- Self diagnostic test at startup and Over current protection built in.
- High reliability.
- Manufacturers approved algorithms.
- Available package adapters: PLCC, QFP, TSOP, SOIC, SOP, SSOP etc.
- Supports Windows 2000/NT, Windows98/95/XP/ME
- Connect to PC (desktop and notebook) via printer port.
- ZIF48 socket standard.
- Portable design.
- Auto generation of electronic serial number in chips.
- User editable BATCH function.
- Powerful buffer management and edit function.
- Auto recognition of file format.
- TTL/CMOS test and auto find.

#### Device Updates:

- XELTEK updates software and device algorithm regularly.
- You (can get the latest software) may download the current software version free of charge. Updates are also available by mail at a nominal charge.

#### Warranty Support:

Programmer is warranted to be free of manufacturing or workmanship defects for one year from the date of purchase. Online Technical Support is also available 24 hours or you may call us during our business hours through Friday 8:30am to 5:30pm (PST).

#### Hardware & Electrical Specifications:

- AC Adapter : Input AC 220V or 110V      Output : DC 12V/1.5Amp
- Programmer Dimension : 200(L) x 140(W) x 24(H)mm
- Package : 263(L) x 232(W) x 100(H)
- Shipping Weight : 1.8 Kg

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## SUPERPRO 280U

### USB Interfaced Ultra-high Speed Universal Device Programmer

#### Features:

- Programs high-density Flash memory devices at near theoretical minimum programming times.
- 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.  $\pm 3\%$  and  $\pm 10\%$  Vcc verification promises programming reliability.
- Supports 11,807 devices from up to 114 IC manufacturers including EPROM, EEPROM and Flash memory, PIC, AVR and other popular microcontrollers and PLDs.
- Free life-time software update.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Software supports Windows 98/Me/NT/2000/XP.
- Operator friendly control software combines many powerful functions with ease of use. Project minizes the whole process of device selection, file loading, device configuration setting, operation option, batch file setting etc. to a single step. History of device selection and file loading simplify operation. Batch command combines device operations like program, verify, security into a single command at any sequence. Auto-start starts batch command automatically as soon as the chip is detected to be inserted in the socket properly. Serial number 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:

- Device 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.

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- Socket Adapters Supported: DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA,  $\mu$ BGA, CSP, SCSP, etc.
- PC Interface: USB
- Optional Accessories: Package Adapter

## Device Updates:

- XELTEK updates software and device algorithm regularly.
- You may download the current software version free of charge at <http://www.xeltek.com>.
- Updates are available by mail at a nominal charge.

## Warranty Support:

Programmer is warranted to be free of manufacturing or workmanship defects for one year from the date of purchase. Online Technical Support is also available 24 hours or you may call us during our business hours through Friday 8:30am to 5:30pm (PST).

## Hardware & Electrical Specification:

**Item includes:** programming unit, DIL48 Module, AC adapter, Program CD-ROM, USB Cable, User's Guide

- Power supply :
- Programmer unit dimension :
- Gross shipping weight :