

<b>Product Name :</b> USB Interfaced Ultra-Fast 144 Pin Standalone Universal Programmer for Vocational Training and Didactic Labs	<b>Product Code :</b> NPLT-EC021
<b>Description :</b>  Equipment for Education, Engineering and Vocational Training - FEATURES Supports 73,295+ IC devices from 272 manufacturers and continuing. Programs devices with Vcc as low as 1.2V. Ultra fast programming speed: Programs and verifies 64 Mb NOR FLASH memory in 11.3 seconds and 1 GB NAND in 108 seconds. Built with 144 universal pin-drivers for support of today's most complex devices. Universal and device independent socket adapters are available for various packages up to 144 pins. The programmer operates in either PC hosted mode or stand-alone mode. Under PC hosted mode, a PC controls the programmer via a high-speed USB2.0 connection to program a chip. Under stand-alone mode, the user controls the programmer via 20-characters, 4-line LCD display with 6-KEY keypad. A CF (compact flash) card stores the project files. In stand-alone mode, the user can operate multiple units to construct a concurrent multiprogramming system. ISP/ICP programming capability through optional ISP/ICP adapter. Only IC manufacturer approved programming algorithms provide high reliability. Vcc verification at (+5%~-5%) and (10%~-10%) enhances programming reliability. Over-current and over-voltage protection for safety of the chip and programmer hardware. Compatible with Windows Vista and Windows XP x32/x64 Includes the following advanced and powerful software functions: Chip operation starts immediately upon proper chip insertion in Production Mode. Project function simplifies processes such as device selection, file loading, device configuration setting, program option, and batch file setting into one step. Password protection provides security for project files and production volume control. Batch command combines device operations like program, verify, security into a single command at any sequence. Serial number generators are available as standard or customer-specific functions. Log file provides production quality tracking. CE and ROHS Compliant DEVICE UPDATES: XELTEK updates software and device algorithm regularly. View the latest Device List. Download the current software version free of charge at Download Center. XELTEK also adds devices upon customer's request at its option.	

#### VOLUME PRODUCTION SOLUTIONS:

By operating multiple programmers simultaneously, you can use them in a high volume production environment. Cluster the programmers for flexible and easy volume production.

Optional Compact Flash card is necessary to store user data, and device algorithm in stand-alone operation. For most operations, XELTEK recommends the 256MB size.

[Click here for more information about Volume Production Solution](#)

#### HARDWARE & ELECTRICAL SPECIFICATIONS:

Devices Supported: EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA

Configuration PROM, FLASH memory (NOR & NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic

Package: DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, PQFP, VQFP, TSOP, SOP, TSOPII, PSOP, TSSOP, SON, EBGA, FBGA, VFBGA, uBGA, CSP, SCSP

PC interface: USB2.0 (High speed)

Stand-alone memory: Compact FLASH Card

Power supply: AC Adapter: Input AC 100V- 240V; Output: 12V/1.5A

#### ITEMS INCLUDED:

SuperPro 5000 Programmer with a DIP48 Adapter

AC adapter

Software CD

USB2.0 Cable

User's Manual

Registration Card

#### OPTIONAL ACCESSORIES:

Adapter in various packages

CF card for stand-alone operation

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