SmartPRO X8 UNIVERSAL PROGRAMMER

- Hi-Speed USB 2.0
- High-speed FPGA driven hardware for ultra-fast programming
- "Auto-Sense" Function
- Powerful Multiprogramming

Outstanding "Value for Money" Programmer

>>>>>Excellent circuit structure , best programming quality and protection designed to give the best service to you ... <<<<<

Introduction

SmartPRO X8 was designed to be the most cost effective solution in supporting today's and tomorrow's device programming challenges. Provides very competitive price with excellent hardware design for reliable programming. Offer outstanding "value for money" in this class.

SmartPRO X8 incorporates a high speed CPU, Hi-Speed USB 2.0, and powerful FPGA structure to meet programming challenges today and into the future.

SmartPRO X8 combines ICP downloading with stand PC hosted operation for high speed, flexible programming of devices in design engineering and production applications.

SmartPRO X8 present high-performance on NAND flash and CPLD/FPGA programming.

SmartPRO X8 ergonomic design and software interface maximizes operator efficiency by combining speed and scalability in one system.

Features & Benefits

➢ *High Performance*

SmartPRO X8 exclusive feature saves you time, frustration, and money.

Programs high-density flash memory devices at near theoretical minimum programming time.

Design for versatile multi-applications: You have freedom to choose the optimum mode for your programming demands.

- Auto mass-program: The unique "Auto-Sense" function will sense the inserted device and program the device properly without touching any key..
- Stand PC hosted operation for R&D and engineering.
- ICP download mode: Smart X8 directly supports in-circuit programming using a dedicated ICP connector and an included cable. ICP mode is ideal for design engineering and low-volume production.

Flexible, Reliable Support for the Latest Devices and Packages
Support over 10000 devices with low voltage devices down to 1.8V(Vdd). Most of programmable devices in DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP, or BGA package types can be programmed on a default DIP48 socket or through an appropriate ADAPTER/CONVERTER.

➢ Advanced hardware features

●Includes high speed CPU and high-speed FPGA driven hardware for ultra-fast programming.
●Use the USB2.0 port to connect to PC: A faster, more reliable communications interface between the programmer and the host PC.

Wide IC Coverage: Low-voltage programming supports voltages down to 1.8V allowing you to program the newest devices on the market.
High Reliability: Self-Test system check hardware status any time.
Continuity Test: Pin continuity and wrong chip insertion check prevent chips from accident damage.

➢ Software designed with you in mind Get to work immediately

The programming software's easy-to-use graphical interface eliminates your learning curveyou don't need the manual! Friendly operation interface combines many powerful functions with ease to use.

Project manager save option: project minimizes the whole process of device selection, file loading, device configuration setting, operation option etc. to a single step.

Device Check: Give a warning automatically according to the actual ID read when a mistake type is selected.

CRC Verify: File CRC check and detect large file offset automatically.

Serial number generator: Serial number can be generated and programmed into Code or Data locations automatically in anyway customer specified.

Algorithm Updates: SmartPRO X8 provides universal, highly flexible device programming support for today's memory, microcontroller and logic devices from all the major manufacture. We release new device support software from our web site weekly.

➢ A powerful multiprogramming

Attaching of more SmartPRO X8 programmers to the same PC (through USB2.0 port) is achieved a powerful multiprogramming system with as much chips supported as SmartPRO X8 can and without obvious decreasing of programming speed. It is important to know, there is a concurrent multiprogramming - each programmer works independently and each programmer can program different chip, if necessary.

➢ Ideal for Engineering as well as Production Environment

Wide device covering range, flexible future expansion capability help users to achieve challenging time-to-market goal.

Specification

General

Power: By external power supply
AC input voltage: 100-240V/47-63Hz
DC output voltage: 12V/2A

Dimensions: 205mm×165mm×45mm (L×W×H)

Mass: 650 g (1.43 Pounds)

Hardware

Interface Port: USB2.0 port

Includes high speed CPU and High-speed FPGA driven hardware for ultra-fast programming.

Calibration: automatic self-calibration

Diagnostics: pin continuity test, RAM, ROM, CPU, pin drivers, power supply, communications, cable, calibration verification timing

Software

Algorithms : Uses manufacturer approved algorithms

File Type: It can handle file in binary/machine code , Intel Hex, Techtronics, Signetics, Motorola, ASCII,MS-DOS fn. COM & EXE , DRAFT etc.

Device Supported: including, but not limited to low voltage, PROM, EPROM, EEPROM, Flash EEPROM, Microcontrollers, GAL. SRAM, TTL/CMOS device test.

S/W update: Virtually supports you, and free life-time software updates are available!

PIN Drivers

Quantity: 48-pins standard
Rise Time: 6ns

VCC Range: 1.8~10V

Icc Range: 0~800mA continuously programmable

VPP Range: 2.5~25V

Ipp Range: 0~400mA continuously programmable

Clocks: continuously variable 1Hz~48MHz

Protection: overcurrent shutdown, power failure shutdown

Independence: pin drivers and waveform generators are fully independent and concurrent

PC System

Requirements: Windows NT/2000/XP

Standard Accessories Included

SmartPRO X8 universal programmer
Software on CD-ROM
User manual
USB cable
ICP downloading cable
AC/DC adaptor
1-year hardware warranty

SmartPRO Programmers
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