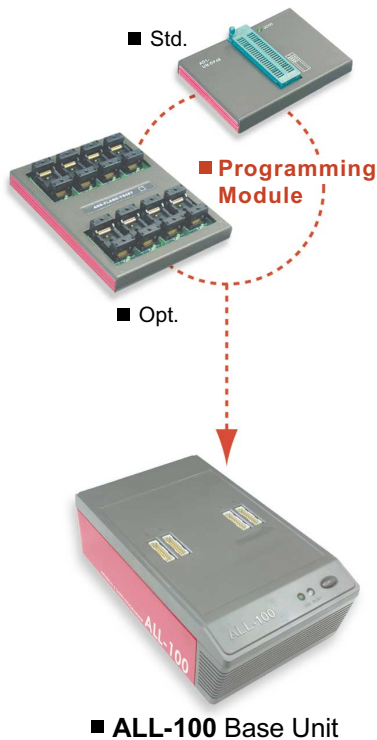# ALL-100
Universal and Gang Programmer

A new universal programmer best satisfies your programming needs

Introduction

ALL-100 supports device programming for a variety of device types covering EPROM, EEPROM, Serial PROM, flash, PLD/CPLD/FPGA, MPU/MCU, etc. Most of programmable devices in DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP, or BGA package types can be programmed on a DIP48 Programming Module directly or through an appropriate ADAPTER/CONVERTER

ALL-100 features high-tech pin drivers to provide excellent programming quality at high speed, high reliability and high expansion flexibility. All pin drivers of ALL-100 are fully programmable to meet modern programming /testing needs including newly released low voltage devices in the market

A high speed USB port is provided to connect to the majority of notebook or desktop PC runs on Windows 98/ Me/ 2000/ XP/ Server2003. Multiple units of ALL-100 working simultaneously are possible via tiered star USB to achieve highest throughputs

ALL-100 is a very powerful universal programmer which could be used either with single socket Programming Module or with 8 sockets Gang Programming Module to save future expansion cost. ALL-100 is designed to help engineering as well as production lines to tackle today's challenges in device programming

■ Std.

■ Programming Module

■ Opt.

■ **ALL-100** Base Unit

SITE Setting   USB PORT

Features & Benefits

Excellent Performance - Utilize flexible pin drivers to get accurate waveforms, high programming speed plus over current protection,wrong insertion detection, self diagnostic etc. ensures ALL-100 excellent performance

Wide Devices Coverage - Wide rage of programmable devices from 8 pins up to 300 pins covering EPROM, EEPROM, Serial PROM, flash,PLD/CPLD/FPGA, MPU/MCU, etc. in DIP, SDIP, SOP, SSOP, TSOP, PLCC, QFP, or BGA etc. package types

Inherit ADAPTER/CONVERTER from ALL-series - Over 500 ADAPTERs, 150 CONVERTERs can be used with single socket programming module or Gang Programming Module to ensure your capital investment retained

Easy to Use - Runs on Windows. After master read or file download from PC, user only needs to select (Blank check, Program, Auto) function from Menu and then hit YES key on programmer to start program function. Operation is very easy

Multiple Units Working Simultaneously- Via tiered star USB topology to achieve highest throughputs

Release New Device Support via Internet Weekly - Receive new device support S/W at no charge

Worldwide Service - Distribution channel covers 35 countries worldwide Your problem could be taken care anywhere around the world

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

- **Device Support** Pin Count : from 8 pins up to over 300 pins
  Device Type: EPROM, EEPROM, Serial PROM, flash, PLD/CPLD/FPGA, MPU/MCU, etc

- **Device Contact** Default - DIP48, Textool.
  Others - SOP, TSOP, PLCC, QFP, MLF, SDIP etc. through optional CONVERTERs or ADAPTERs

- **Max Sockets in parallel** 8 sockets on optional GANG Programming Module

- **Control** 16 bits high-speed controller with big sized FPGA & CPLD

- **Interface Port** 1x USB port

- **Data Transfer Rate** USB 1.1 : 12 Mb/s
  USB 2.0 : 480 Mb/s

- **Max Sites in parallel** up to 8 programmers working simultaneously via tiered star USB

- **Functions** Load file, Read Master, Program, Verify, Auto, ID Check, Checksum ,
  Blank Check, Erase, Secure, Protect/ Unprotect, Edit, Function Configuration ,Self Test

- **Host Computer Requirements**
  - An Intel Pentium or compatible processor with 64MB of RAM
  - At least one USB port available (V 1.1/ 2.0)
  - 20 MB free hard disk space with Windows 98/ Me/ 2000/ XP/ Server2003 operating system
  - CD-ROM Drive

- **Power** AC voltage - 100-240 VAC
  Frequency - 50-60 Hz
  Power consumption - 50W

- **Dimension** L x W x H - 260mm x 150mm x 100mm

- **Weight** 4 kg

- **Operating Temperature** 0- 40°C (32-105° F)

- **Safety Standards** CE Approved

Ordering Information

ALL-100
Includes 1x ALL-100 Base Unit with single socket programming module(M1- UN- DP48)
1x USB cable (type A to type B), driver S/W , user manual and device supported list in CD-ROM

Opt. 99 : M1-UN-DP48 module price deduction when another module is selected during ALL-100 purchasing.

Optional Accessory

ALL-100-PIN CARD   Additional PIN driver card to be mounted into ALL-100 Base Unit. Necessary only when ALL-100 programming with any type of Gang Modules or TSOP flash Module.

USB Interface Card   Approved interface card to provide USB 2.0 environment to ALL-100. PCI BUS, Runs on Windows 98/ Me/ 2000/ XP.

Programming Modules   Optional accessory to be announced. Support ALL-100 to program various device types directly including x8 Gang Flash Memory Module, x1 TSOP flash Module etc. Please refer to Programming Module List on HI-LO web site.

ADAPTERs   Support high pin count devices from 48 to over 300 pins. Please refer to ADAPTER LIST on HI-LO web site

CONVERTERs   Convert signal into different package types covering PLCC, QFP, SOP, TSOP, BGA, ...etc.ranging from 8 pins to 48 pins. Please refer to CONVERTER LIST on HI-LO web site