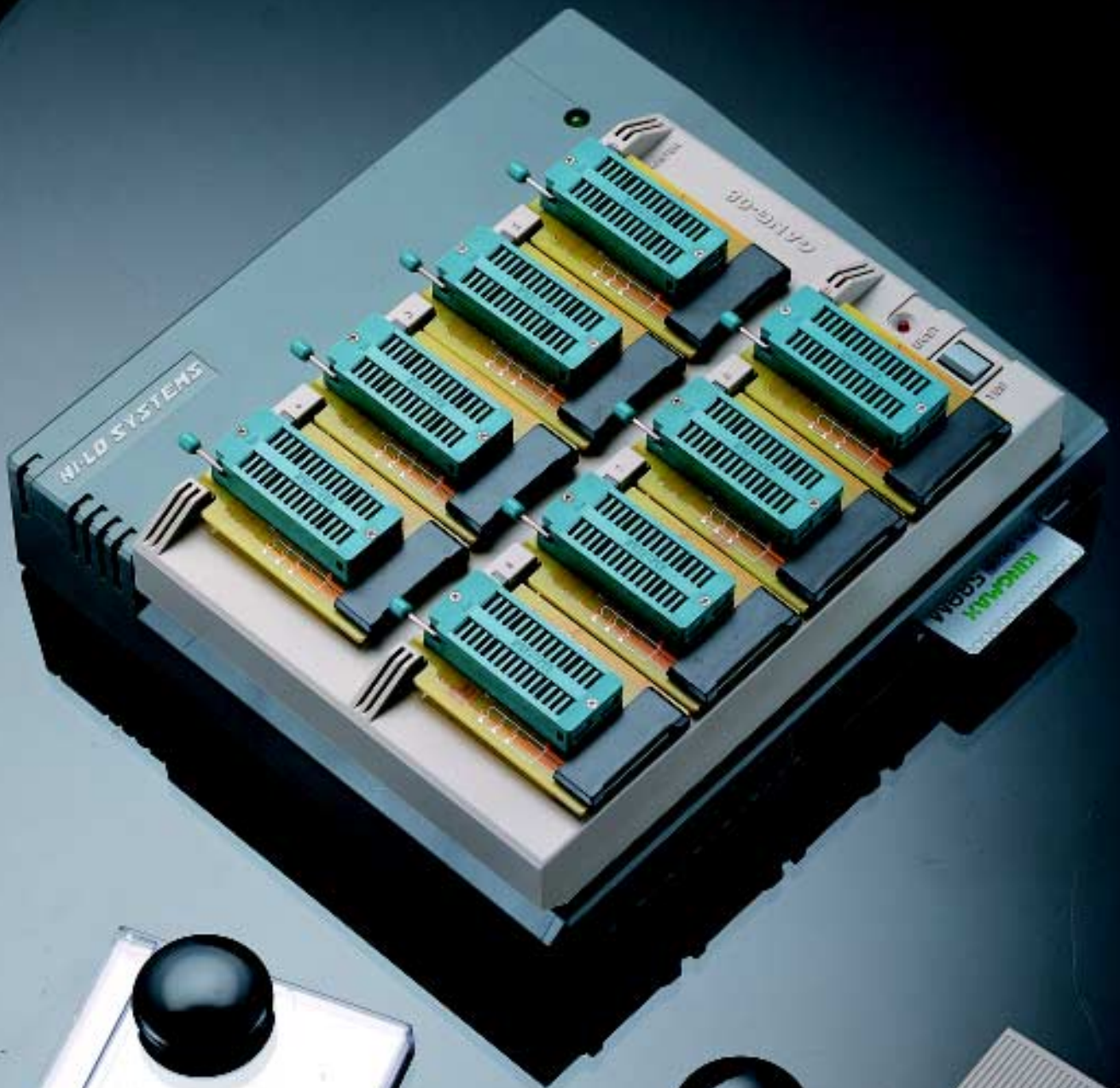
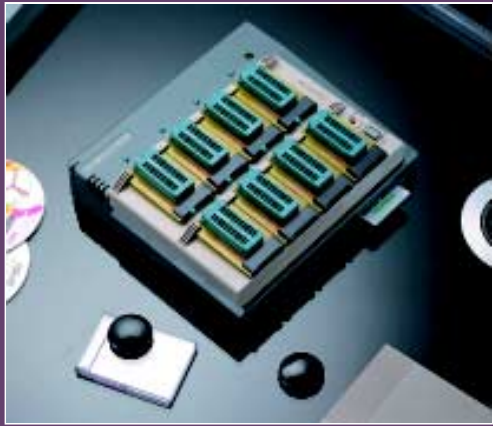


UNIVERSAL GANG PROGRAMMER

ALL-GANG-08P2



HI-LO SYSTEMS



THE ALL-GANG-08P2 IS VERSATILE

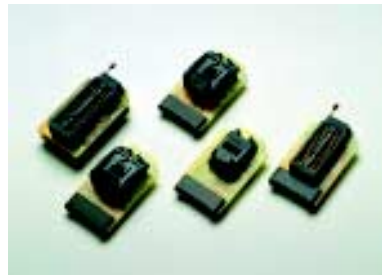
The ALL-GANG-08P2 can support programming up to 8 EPROM, EEPROM FLASH, microcontrollers, GAL, Serial PROM, DSP, and other device types. The ALL-GANG-08P2 has room for up to 8 interchangeable sockets. When you need to change to a new device family or package you simply change the sockets, not the whole programmer. Support is provided for all of the latest package styles including DIP, PLCC, SOP/SOIC, TSOP, SSOP, QFP, TQFP, MQFP, and others. We designed the system so customers pay only for the support needed. The expense and overhead of concurrent programming systems and device dedicated gang programmers is eliminated.

The ALL-GANG-08P2 includes a high speed CPU and an expandable memory buffer to meet programming needs today and into the future. Standard programmer memory is 1Mbit and is expandable to up to 128M bytes. Even with only the standard 1Mbit of memory installed in the programmer a cache system allows much larger EPROM and FLASH to be programmed at high speeds.

A high speed serial port interface (up to 115K baud) or high speed parallel port interface (up to 130k bytes/sec) connects the programmer to any desktop or laptop PC running Windows 95 /98/NT. The software interface is a native Windows 95/98/NT application.

MAXIMIZE YOUR INVESTMENT

The ALL-GANG-08P2 is not just a dedicated EPROM/FLASH programmer. It can be expanded to support microcontrollers, Serial PROM, WSI PSD peripherals, 16V8/20V8/22V10 and other PLD/GAL devices, and much more by using our interchangeable socket heads. The ALL-GANG-08P2 socket heads let you support devices in nearly any package and devices with nearly any pin count.



ALL-GANG-08P2 IS EASY TO OPERATE

The ALL-GANG-08P2's new Windows interface makes programming simple. Choose a device manufacturer and device type from a menu. Read in a file from a master device or load a file from the PC. Click on the "Blank Check" button to check if the device is blank, click the "Program" button to program the device, or click the "Auto" button to use the Auto function. The Auto function displays all available functions to perform on the device (i.e. blank check, program, verify, program security, protect/ unprotect sectors, etc...) Simply check off the operations you want to perform. After all desired operations are selected the programmer can be operated by a single external key on the programmer to initiate the operations. LED's next to each socket indicate that all operations were performed OK on the given device.

ALL-GANG-08P2 UNIVERSAL GANG PROGRAMMER

ALL-GANG-08P2 IS RELIABLE

We have over 10 years of experience designing gang programming systems for production environments. We have an installed base of over 20,000 gang programmers worldwide in use at some of the largest and most respected companies in the computer and embedded systems industry. Close relations with all major IC manufacturers keep our engineers well informed of all of the latest programming algorithm releases. Our company's programming algorithms have been tested and approved by leading IC manufacturers worldwide. Our dedicated high speed CPU and our new surface mount SIMM module pin driver circuits combine to provide extremely accurate programming waveforms, high speed, high reliability, and a compact form factor compared to traditional gang programmers. The ALL-GANG-08P2 pin drivers are fully programmable to support programming and testing of standard and low voltage devices. Built in protection circuits guard against over current and reverse insertion errors. The ALL-GANG-08P2 meets CE requirements and is approved by TUV. Every ALL-GANG-08P2 is backed by a 1 year hardware warranty.

ALL-GANG-08P2 BACKED BY WORLDWIDE SERVICE AND SUPPORT

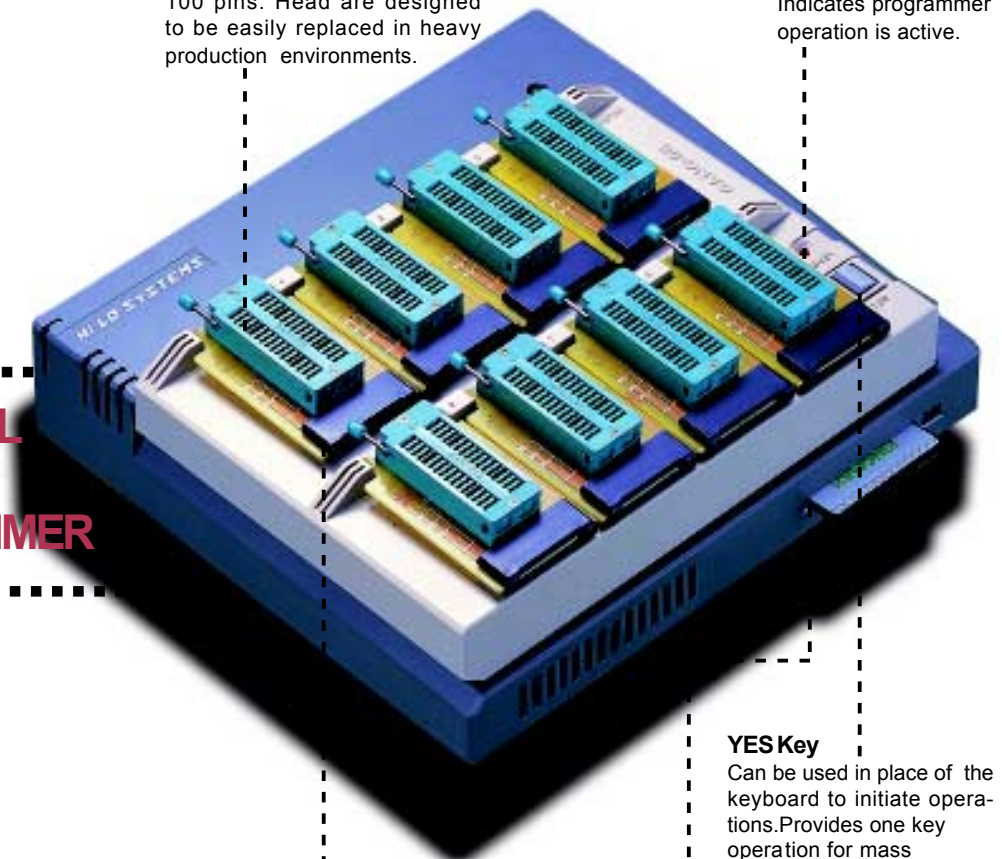
Over 60 distributors in over 50 countries support the ALL-GANG-08P2. New software updates are available by BBS, WWW, or E-mail. Over 30 engineers are available to answer technical support questions and to add support for new device types. New device is added weekly to keep up with all of your programming requirements.

Head

Programming Heads plug into the HEAD connector to support PLCC, QFP, PGA, SOP, TSOP and other types of packages with pin counts of 8 pins to over 100 pins. Head are designed to be easily replaced in heavy production environments.

Busy LED

Indicates programmer operation is active.



HEAD Connector

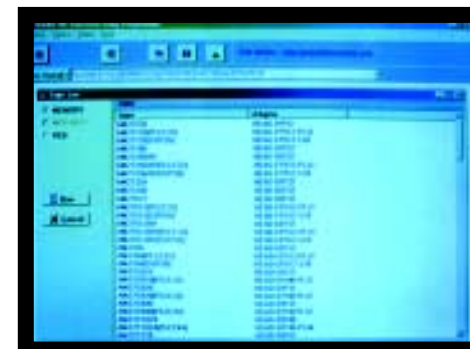
There are 8 Head connectors on the ALL-GANG-08P2 so up to 8 programming Heads can be used at one time.

Memory Card Slot

Allows programmer memory to be easily upgraded by the user in the field. Programmer memory can be expanded from 1M bit to up to 128M bytes.

YES Key

Can be used in place of the keyboard to initiate operations. Provides one key operation for mass production programming.



Access Menu



Main Menu

HI-LO SYSTEMS INTERNATIONAL

<http://www.hilosystems.com.tw>

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E-mail:info@smartline.it

Electronic Specifications

- Includes high speed CPU and 1Mbit memory buffer as standard.
- A memory card slot accepts SRAM cards to expand the memory buffer from 1Mbit to higher densities up to 128M bytes.
- High Speed and compact pin driver circuits to support programming and testing of standard and low voltage IC.
- High speed serial port interface (up to 115K baud) works on (COM1, COM 2, COM3 or COM4).
- High Speed parallel port interface(up TO 130k bytes /sec) work on (LPT,LPT2,LPT3) in ECPor EPP made.

Function Specifications

Load file, Read Master, Program, Verify, Auto, ID Check, Checksum, Blank Check, Erase, Secure, Protect/Unprotect, Edit, File Transfer, Function Configuration, Self Test.

Electrical Requirements

Operating Voltage: 90 - 245 VAC
Frequency Range : 47-67 Hz
Power Consumption: 5V max 1A
12V max 1.5A

Physical and Environmental Specifications

Dimensions : 245 mm x 220 mm x 55 mm
Weight : 3.5kg
Temperature : 0 ~ 40°C (32 – 105°F)
Safety Standards:approved by TUV to meet CE requirements

Host System Requirements

- Any IBM or compatible 486/Pentium with a minimum 4MB extended memory.
- At least one serial port or one parallel port .
- 32 MB of free hard disk space Windows 95/98/NT operating system.
- 3 1/2" floppy disk drive .

Ordering Information

ALL-GANG-08P2 : Include ALL-LAB2 Main frame x 1,
PAC-GANG-08 PACK x 1 without
head,D-15 cable (1M long).

Optional :

Heads: HEAD for nearly every package type with 8 pins to over 100 pins for DIP,PLCC, QFP, TQFP, SOP, SOIC,TSOP, PGA, etc... Please see the HEAD list.
(At least one set of Heads is required for operation.)