ALL-11C

UNIVERSAL PROGRAMMER

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windows version

ALL-11C SUPPORTS OVER 4500 IC

The ALL-11C supports an expansive array of EPROM, EEPROM, FLASH, Serial PROM, BPROM, MPU/MCU/DSP, microcontrollers from Atmel, Dallas, Hitachi, Intel, Microchip, Mitsubishi, Motorola, NEC, Philips, TI, Toshiba, WSI, Zilog and others.

The ALL-11C supports PAL, GAL, PEEL, EPLD, EPL, FPGA, CPLD from Altera, AMD, Atmel, Lattice, Lucent Technologies (AT & T), Motorola, TI, Xilinx, etc... The ALL-11C can perform functional vector tests on programmable logic devices as fast as 4ns.

Devices supported range from 8 pins to over 300 pins. Nearly all devices with 8-40 pins can be programmed directly by the ALL-11C's 40 pin DIP socket. Adapters and converters are available to support nearly every type of IC package including PLCC, SOP, TSOP, QFP, TQFP, PGA, SOJ, and much more.

Adapters and Converters

The ALL-11C supports programming just about every type of device with a programmable memory or configuration including EPROM, EEPROM, FLASH, PLD/CPLD/FPGA, microcontrollers, BPROM, Serial PROM, and much more.

The ALL-11C includes a high speed CPU and 1M Bit memory buffer to meet programming needs today and into the future. Even with only 1M bit of memory installed in the programmer a cache system allows much larger EPROM and FLASH to be programmed.

A high speed serial port interface (up to 115K baud) connects the programmer to any desktop or laptop PC running Windows 3.1 or Windows 95. A USB port interface upgrade option will be available shortly. The software interface is a native Windows 3.x/95 application.
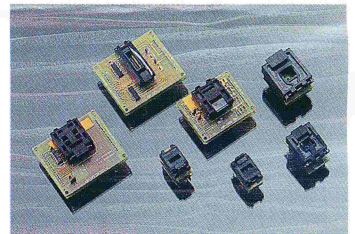
The ALL-11C features our new SMD SIMM module pin driver circuits which provide extremely accurate programming waveforms, high speed, high reliability and a compact form factor. ALL-11C pin drivers are fully programmable to support programming and testing of standard and low voltage device. The ALL-11C is powerful enough to perform demanding production tasks and compact enough to use for field engineering work.

ALL-11C IS EASY TO OPERATE

The ALL-11C'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. Press 'B' to check if the device is blank, press 'P' to program the device, or press 'A' 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 sectors, etc...). Simply check off the operations you want to perform. After all desired functions are selected the programmer can be operated by a single external key on the programmer.

The ALL-11C can process all popular file formats including Intel HEX, Motorola S-records, binary ,.JEDEC fuse map (.JED), Altera POF, and others. A full screen editor is provided to view or edit any address of the programming buffer in binary, ASCII, or Logic Fuse Map formats.
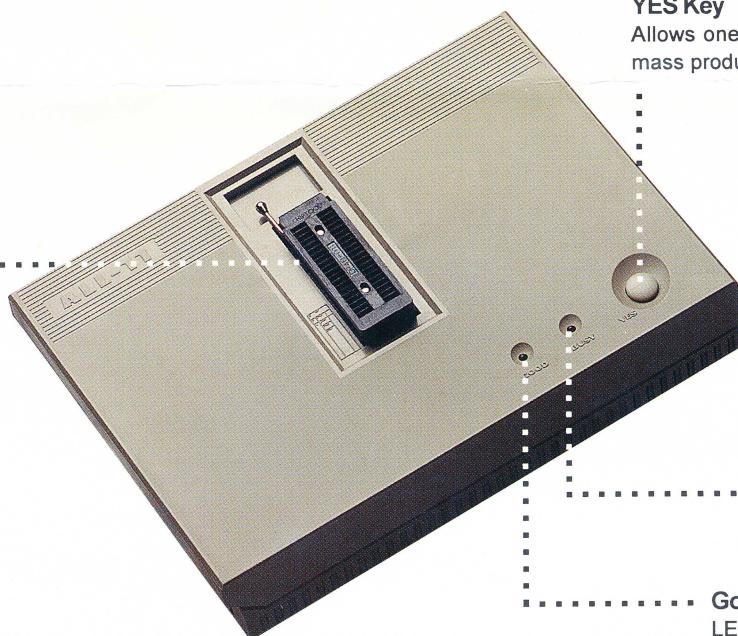
ALL-11C IS RELIABLE

The ALL-11C is a sixth generation universal programmer product. We have over 8 years experience designing universal programmers and we have an installed base of over 100,000 universal programmers. Close relations with all major IC manufacturers keep our engineers well informed of all the latest programming algorithm releases. Our algorithms have been tested and approved by AMD, Atmel, ICT, Macronix, Motorola, National Semiconductor, WSI and others. Over current protection circuits and reverse insertion detection protect your IC and the ALL-11C. A self diagnostic test is included to verify correct operation of the hardware and to meet calibration requirements. The ALL-11C meets CE requirements and has been approved by TUV. Every ALL-11C is backed by a 1 year hardware warranty.

ALL-11C BACKED BY WORLDWIDE SERVICE AND SUPPORT

Over 100 distributors in over 50 countries support the ALL-11C. New software updates are available by BBS, WEB, or email. Over 30 engineers are available to answer technical support questions and add support for new device types. New device support is added daily to keep up with all of your programming requirements.

YES Key
Allows one key operation for mass production programming.

DIP40 socket
Nearly all DIP devices with 8 - 40 pins can be programmed directly. Additional adapters can be plugged into the 40 pin DIP socket to support PLCC, QFP, PGA, SOP, TSOP,....and devices with 44 pins to over 300 pins. The DIP socket is designed to be easily replaced in production environments.
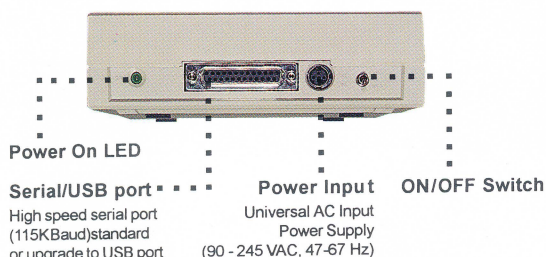
Busy LED
Indicates programmer operation is active.

Good LED
LED ON indicates an operation was performed OK.
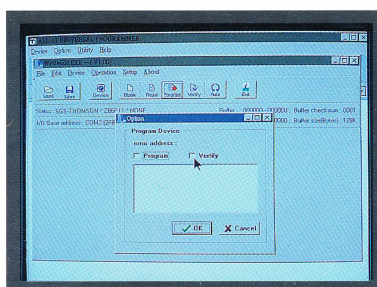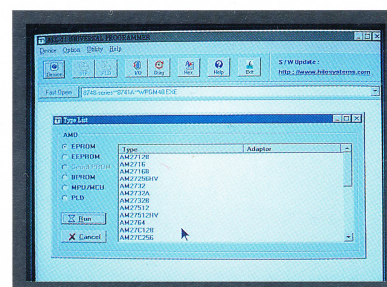
Power On LED

Serial/USB port
High speed serial port (115K Baud)standard or upgrade to USB port

Power Input
Universal AC Input Power Supply (90 - 245 VAC, 47-67 Hz)
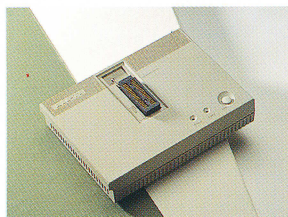
ON/OFF Switch

Main Menu

Access Menu

ALL-11V An additional choice for ALL-11 family

The ALL-11V can support approximately 2500 different chips, including EPROM, FLASH, GAL and MPU chips.

It's the basic version of the ALL-11C and is designed for those users attempting less complicated tasks and looking for a lower price. Due to the simplification of the ALL-11V, some adapters and converters are not supported so fewer ICs are supported. The rest of the ALL-11V functions and the appearance of the ALL-11V are identical to the ALL-11C. The ALL-11V can be factory upgraded to the ALL-11C by upgrading the ALL-11V PC Board if the user requires the extra capabilities at a later date.

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Electronic Specifications

- Includes high speed CPU and 1Mbit memory buffer as standard.
- 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). An even higher speed USB port (Universal Serial Bus) interface will be available shortly.

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: 5 VDC , 12VDC
Power Consumption: 5V max 1A
                     12V max 1.5A

Physical and Environmental Specifications

Dimensions : 220 mm X 160 mm x 50 mm
Weight   : 1.5kg
Temperature : 0 - 40C (50 - 105F)
Safety Standards: approved by TUV to meet CE requirments

Host System Requirements

- Any IBM or compatible 486/Pentium with a minimum 4MB extended memory.
- At least one serial port or a USB port for USB port models
- 5 MB of free hard disk space Windows 3.1/3.11/95 operating system
- 3 1/2" floppy disk drive

Ordering Information

ALL-11C : Includes ALL-11C programmer with a 40 pin DIP socket, DC power Adapter , D-25 cable (1M long), software for all supported devices and a user manual.

ALL-11V : Includes ALL-11V programmer with a 40 pin DIP socket, DC power Adapter , D-25 cable (1M long), software for all supported devices and a user manual.

Optional :

Converters: Converters for nearly every package type with 8 pins to 44 pins for PLCC, QFP, TQFP, SOP, SOIC,TSOP, PGA, etc... Please see the converter list.

Adapters : Support high pin count devices with 44 pins to over 300 pins and devices with special requirements. Please see the adapter list.