

# elan

# E9B

**AIR PARTS**  
**ELAN ELECTRONICS**  
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## E9B EPROM/EEPROM EDITING COPIER (8 GANG)

All Standard single rail devices from 8K to 512K (NMOS, HMOS, CMOS), single copy 512K (key selection) and 513 page addressing.

- STANDARD USER AVAILABLE MEMORY OF 64K BYTES (512K BITS), EXPANDABLE TO 128K BYTES NOW AND BEYOND IN THE FUTURE.
- UNRIVALLED MTBF (BETTER THAN 10,000 HOURS).
- DESIGNED WITH IN-BUILT RELIABILITY, INTEGRITY, DIAGNOSTICS AND CALIBRATION.
- ALL STANDARD SINGLE VOLTAGE DEVICES FROM 8K TO 512K (NMOS, HMOS, CMOS), SINGLE COPY 512K (KEY SELECTION) AND 513 PAGE ADDRESSING.
- AUTOMATIC DYNAMIC ACCESS TIME TESTING AND SORTING.
- SOFTWARE CONFIGURABLE (NO SWITCHES OR HARDWARE CHANGES NECESSARY).

  
**elan**  
Eprom expertise

## FULL EDITING FACILITIES

The editing facilities of the E9B reduce the need for development equipment. Normal data amendments, split, shuffle or move blocks, byte strings search and automatic change are all possible. Checksum can be calculated between any two addresses. The 64K bytes of RAM is expandable up to 128K bytes and is accessible via RS232 interface, protected master EPROM or keyed inputs. A wide range of formats, baud rates, parity, data and stop bits are user definable by keyed selection. Full remote control is standard. IBM PC menu driven remote driver is optionally available on disk.

## SIMPLE OPERATION

Unskilled operators have no difficulty using the E9B. All that is necessary to set the required device is to depress a key. The E9B scrolls through the list of devices until the correct one is displayed, it is then automatically configured. There are no personality modules or coded selection switches.

A program key automatically initiates all the necessary programmability checks and tests and displays the results. Beeper and visual display give immediate indication of any errors.

Copy and programming times are reduced to a minimum: all non-programmed bytes are skipped and intelligent fast algorithms reduce the programming time of approved devices by up to 95%. If required, editing may be 'code locked' out, to prevent unauthorised alterations.

## COST EFFECTIVE RELIABILITY

Reliability makes an essential contribution to cost effectiveness. The Elan claim to reliability is based on a demonstrated average MTBF of better than 10,000 hours.

## COMPLETE CONFIDENCE

The E9B offers complete confidence in programming. It eliminates errors due to marginal voltage stages, changed dynamic access reading speeds, failed power rails, shorted bus lines, data errors, or incorrect device insertion. There are no problems common to marginal devices. Exact error conditions are clearly displayed. Absolute assurance of a correct result is ensured by the display of the checksum.

## SPECIFICATIONS:

*Dimensions:* 280 x 270 x 110 mm (approx.)

*Power:* 110, 120/220, 230, 240VAC, 50-60Hz 40W

*EPROM Types:* 2508, 2716, 27C16, 2532, 2732 & A, 27C32, MK2764, 68764, 68L764, 2564, 2764 & A, 27C64, 27128 & A, 27256, 27512, 27513 or similar.  
Intelligent Identifiers

*EEPROM Types:* 2815, 2816, 48016

*Display:* 16 character LCD alpha-numeric.

*Label printing:* Optional message and printer control

*Weight:* Approx. 4 Kg (9lbs.)

*Temperatures:* 5-35°C ambient

*Relative Humidity:* 0-90% non-condensing

*Sockets:* 28 pin zero insertion force

*Interface:* Serial I/O, RS232; Parallel Centronics Output

*RAM:* 64K bytes or optionally 128K bytes usable memory.

*Interference suppression:* meets Federal Communications Commissions Rules Part 15, Subpart J, Class A limits for Radio Frequency Interference Emissions (Commercial and Industrial Computing Devices).

## OPTIONS

*Single Chip Processors:* 8741A, 8742, 8748, 8748H, 8749H, 8755A (E 4 option), 68701 (E 5 option), 8744, 8751, 8751H, 8752H (E 7 option).

*Simulation:* 2716 to 27128 (E 11 - 16K option), 2716 to 27256 (E 11 - 32K option).

*Triple Voltage Devices:* 2708, TMS 2716 (E 13 option).

We reserve the right to change the specifications, functions and circuitry without notice.



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