elan E2B

EPROM/EEPROM EDITING & INTERFACE

EDITING FUNCTIONS
0 SIMULATE
1 AMEND
2 BLOCK CHANGE
3 COPY BLOCK
4 EXCHANGE STRING
5 FIND STRING
6 COMPARE RAM
7 SPLIT
8 MERGE
9 CHECK SUM
A ONE'S COMPLEMENT
B X OR SUM

DATA FORMAT
0 LABEL PRINTING
1 ASCII HEX SPACE
2 OPTIONAL
3 INTEL LOADER
4 TEK HEX
5 MOSTOROLA S REC
6 DECIMARY
7 BINARY DUMP
8 BLOCK DUMP
9 NCA COSMAC
A PPS
B TEXAS TAGS
C BNPF
D BNPF
E EXT TEK HEX

BAUD RATE
0 50
1 75
2 110
3 134.5
4 200
6 300
7 600
8 1200
9 1800
A 2400
B 4800
C 9600
D 9600
E 19200

DATA STREAM SELECTION
CODE PARITY DATABITS STOP BITS

PARALLEL
EVEN
ODD
NONE
EVEN
ODD
NONE
EVEN
ODD
NONE
EVEN
ODD
NONE

NOTE: SELECT DEVICE TYPE BY PUSHING RST. THEN STEP TO SCROLL.

E2B EDITING PROGRAMMER

PROGRAM
VERIFY
INPUT
OUTPUT

PROG VFY BLK READ STEP RST ENTER

MASTER COPY 1
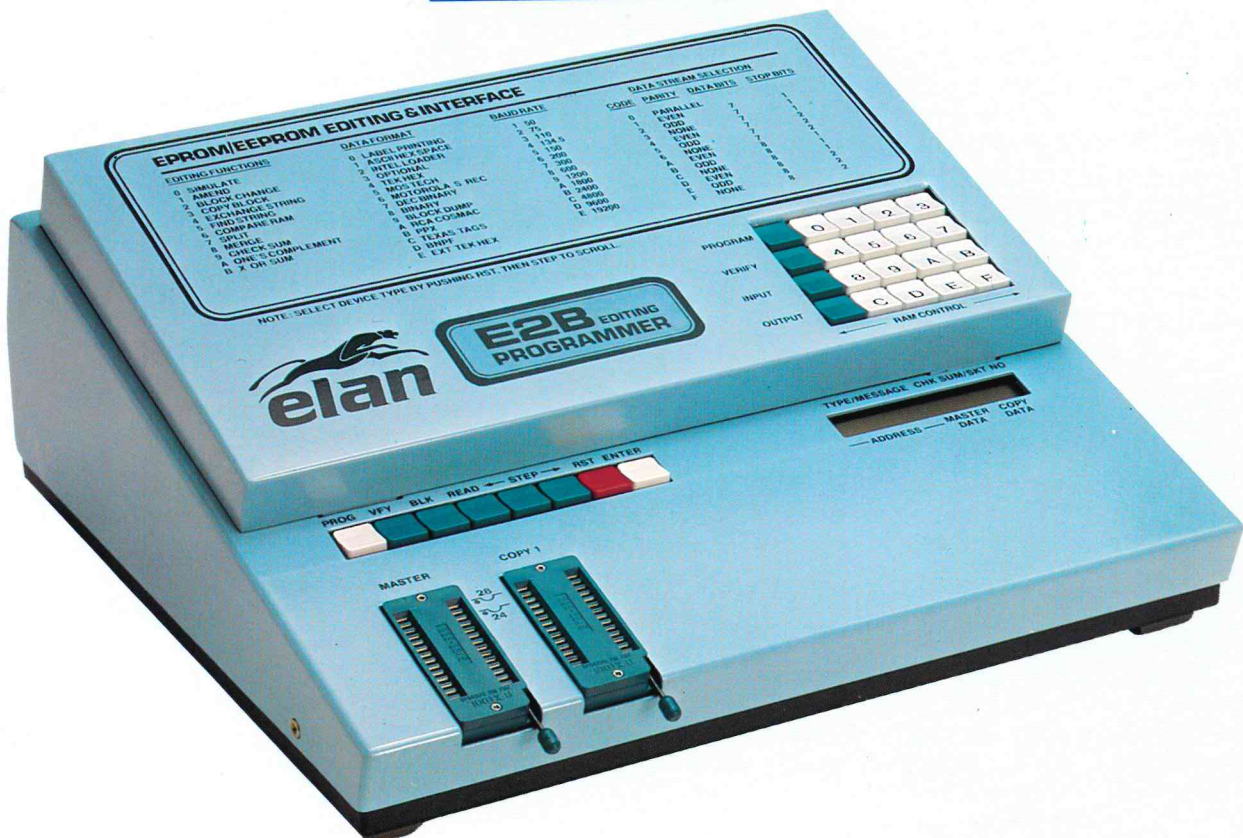
E2B EDITING PROGRAMMER

The proven reliability, simple operation and total remote control features of the E2B make it the most complete and cost effective solution for EPROM and EEPROM programming.

- PROGRAMS ALL DEVICES FROM 8K TO 512K (NMOS, HMOS, CMOS), (INCLUDING 27513 PAGE DEVICE).

- AUTOMATIC DYNAMIC ACCESS TIME TESTING AND SORTING.

- SOFTWARE CONFIGURABLE (NO SWITCHES OR HARDWARE CHANGES NECESSARY).

- STANDARD USER AVAILABLE MEMORY OF 64K BYTES (512K BITS), EXPANDABLE TO 128K BYTES (1M BITS).

- UNRIVALLED MTBF (BETTER THAN 10,000 HOURS).

- DESIGNED WITH IN-BUILT RELIABILITY AND INTEGRITY.

- 16 CHARACTER ALPHA-NUMERIC LIQUID CRYSTAL DISPLAY.

- APPROVED BY LEADING DEVICE AND SYSTEMS MANUFACTURERS.

elan
Eprom expertise

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AN INTEGRAL PART OF YOUR COMPUTER SYSTEM

This total remote control, subject only to establishing the correct protocols, offers far more than just the bi-directional dumping of data via the RS232 port, usual with other programmers. IBM PC menu driven remote driver is optionally available on disk.

The E2B can show on the system monitor device types and initiate programming and verification from the host computer. The standard 64K bytes of user ram (expandable to 128K bytes) allows data from the computer to be down loaded and stored with ease.

Communications software developed by Elan allows the E2B to be used with a wide range of computer systems.

UNIQUE FLEXIBILITY

The E2B can be either operated remotely by a host computer or in stand-alone mode, offering a wide range of editing functions that frees the host computer for other activities.

The editing features include amendments, ones complement, split, shuffle, block change and copy, up to 4-byte string search and automatic change, and checksum calculations between any two addresses. Adapters for single-chip microprocessors may be plugged in so that the full selection of standard EPROMs, plus a microprocessor adapter, may be remotely controlled and programmed without inconvenient module or personality reconfiguration. All data stream parameters for serial RS232 interfacing are key selectable, and may be used for bi-directional data transfer with or without standard remote control and handshaking.

The E2B offers full flexibility in its role as an essential addition to any development system.

SIMPLE KEY OPERATION

There are no modules or coded switches on the E2B – just one key depression is necessary to select the required device. The E2B then scrolls through the list of types available until the device you want is displayed. It is then automatically configured. Operation of a second key stores the information.

Manual blank checking is available but not necessary when programming. Depression of a key automatically initiates all the necessary blank and pre-program checks and the result is displayed. Errors are indicated immediately by a beeper and visual display. Copying time is reduced by skipping all non-programmed bytes. Programming time of approved devices is reduced by up to 95% using a choice of intelligent fast algorithms. This also permits validly programmed bytes to be skipped.

SPECIFICATIONS:

Dimensions: 280 x 270 x 110 mm (approx.)
Power: 110, 120/220, 230, 240VAC, 50-60 Hz, 30W
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 alpha-numeric LCD
Label Printing: Optional message and printer control
Weight: Approx. 4 Kg (9 lbs.)
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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