



JED MICROPROCESSORS PTY LTD

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The JED PC PROM programmer is a small box designed as a simple but flexible device for easy lab and field programming of EPROM devices from a PC.

One of the most important things to note is that this device does NOT need any boards plugged into the PC. Rather than use an I/O board which needs a spare slot in the PC, and draws power from the PC system, this device simply plugs into the standard D25 parallel printer port on the PC, and all communications takes place at high speed via that port. Thus any PC compatible, from XTs to Pentiums, laptops or desk-tops, can use this system without any adjustments and without needing to open the lid and install cards.

The JED PROM programmer uses a 32-pin socket, and is thus able to program JEDEC pin out devices with up to 1 Mbyte capacity (27C080). The lower limit is the bottom of the 28-pin range, i.e. 27C64 devices with 8 Kbyte capacity. (12.5 volt programming types only.)

Intel-format and AMD 29F010/040 FLASH devices are also able to be programmed and erased on this system. (More FLASH and EE types are being added soon.)

There is no PROM type selection switch, as the programmer uses the A9 automatic identifier mode (originated by Intel, and now used by most manufacturers.). Before using automatic mode, users should check from a device data-sheet that this mode is supported. If a PROM does not support this mode, type selection can be made safely from the screen). Fast programming algorithms vary from manufacturer to manufacturer, and the algorithm is also automatically selected.

Programming Software.

A menu-driven system is supplied on disk, and users simply call up the PP.EXE file, then use arrow keys (or an initial letter) to steer around the windows, naming files and specifying options as requested. These are saved to disk, so that next time the program is used, the defaults are recalled. A PROM can be programmed with very few keystrokes, because the sequence of PROM erase check, then program, then verify runs automatically.

A bar graph across the screen marked 0 to 100% shows the action occurring as stages proceed.

Users can add more PROM types and manufacturers to the internal tables using a "device-type" editor.

Utility Software

With the system, are utilities for creating a block binary PROM image, and then adding in user files in the correct places from compiler or assembler files. File type conversions can be done, as well as splits for 16 or 32-bit environments. Checksums can then be added.

JED PC-driven EPROM Programmer

- Uses D25 parallel printer port on any PC, even laptops with no slot spaces, making it ideal for field modifications or software field updates.
- Plug-pack powered no power from PC.
- Handles variety of disk formats, and allows editing of data from existing PROM to disk or to a new PROM.
- Uses PROM Automatic Identifier mode for automatic Vpp pin and algorithm selection.

PROM Editing.

Files in a variety of Intel (.HEX) and Motorola formats can be used, and are converted to .BIN format before use. Existing PROMs can be read and saved on disk. The .BIN files can be examined byte by byte, and can be edited on screen, saved, or used to program a new device. PROM data can also be examined directly.

Power supply.

A 14-volt plug-pack supplies power to the PROM programming system. No power is drawn from the PC. The interface to the PC is compatible with all TTL, CMOS and VLSI parallel-port driving logic.

The system is a compact 155mm by 90mm by 37mm.



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Designed and
manufactured in
Australia