

EXIDY Computer Systems



- EXIDY Sorcerer™ Computer
- EXIDY S-100 Expansion Unit
- EXIDY 16K Memory Expansion Kit
- EXIDY I/O Expansion Kit
- EXIDY ROM PACs™
- EXIDY Serial Cassette Data Cable (DP4005)
- EXIDY Video/Disk
- EXIDY Parallel Data Cable (DP4003)



The EXIDY Sorcerer™ Computer uses a Z80 microprocessor; EXIDY's optional plug-in ROM PAC™ software makes the system powerful and flexible.

The Sorcerer comes with 8K, 16K, 32K or 48K of internal RAM; to add memory, use the 16K Memory Expansion Kit. In every case the 4K ROM-resident operating system has a built-in parallel printer driver. Output connectors include a 50-pin interface for S-100 expansion, a 25-pin parallel interface, and a 25-pin serial interface (300 or 1200 baud, software selectable). The serial interface will operate one or two cassette recorders.

Graphic resolution is 240x512—30 lines of 64 characters (1920 characters total). Each character comprises an 8x8 dot matrix. The Sorcerer's character generator contains the full ASCII set (both upper and lower case) plus standard graphic symbols. Users may define up to 128 characters of their own; the Sorcerer will accept any character definable within an 8x8 dot matrix.

The Sorcerer has composite video. A video cable, two cassette cables, and an instruction manual are included. Power input is factory set, 110 VAC 60 Hz or 220 VAC 50 Hz.

The EXIDY 16K Memory Expansion Kit contains eight 16K RAMs—enough to boost the computer's internal memory from 8K to 16K, 16K to 32K, or 32K to 48K. To increase memory from 8K to 32K or from 16K to 48K, use two kits; to increase from 8K to 48K, three kits. Early production Sorcerers will accept no more than 32K of internal RAM. Instructions are included with each kit.



EXIDY ROM PACs™ are plug-in software cartridges for EXIDY's Sorcerer computer. When inserted, the ROM PAC becomes part of the computer's memory, separate from internal RAM; this leaves the entire RAM available to the user. EXIDY produces the following ROM PACs; each comes with an instruction manual.

- **The Standard BASIC PAC™** contains 8K Microsoft BASIC. Standard BASIC allows long names so you can give descriptive names to variables, arrays, and user-defined functions. (Name lengths are limited only by the length of a program line; however, Standard BASIC looks only at the first two characters of a name.) Numeric and string arrays may have up to 255 dimensions. The BASIC PAC includes all ANSI Standard BASIC commands, plus these added commands—CSAVE, CLOAD, PEEK, POKE, INP, OUT, WAIT. A special USR(X) function allows Standard BASIC programs to call machine language subroutines.
- **The Development PAC™** is a Z80 software development system for EXIDY's Sorcerer computer. This ROM PAC is for users who wish to write extensive Assembly Language programs. Included are a relocating linking Z80 Assembler, a relocating linking Loader, a line Editor, special Sorcerer I/O routines, and DDT80, an operating system/debugger. The Development PAC is compatible with the CP/M Disk Operating System.
- **The Word Processor PAC™** is a text editing and formatting system for business or home. The system has automatic text wrap-around as well as search and replace commands. One-key commands include end-to-end cursor line SCAN, INDENT, TAB, soft HYPHEN (for splitting syllables at the end of a line), and four-direction cursor control. Output formatting includes dynamic print control, indentation, right justification, line width and line-to-line spacing, proportional letterspacing, and boldface printing. Powerful Macro programming capabilities are included for performing such useful tasks as mail merge letter typing, multiple column printing, and automatic multiple forms entry.

- **The EPROM PAC™** is for the user who wants his own software in a ROM PAC cartridge; it has sockets for four EPROMs with a capacity of up to 16K. The PAC's PC board can be jumpered to accept many different ROM or EPROM chips, including the 2708, 2716, 2732, and 2764. Put your own software onto the EPROMs to create a custom ROM PAC.



The EXIDY Video/Disk is a compact single unit styled to match the Sorcerer. It includes a twelve-inch video monitor with P31 phosphor, and a dual disk drive with built-in controller card. The Video/Disk plugs directly into the Sorcerer computer's 50-pin expansion connector; an S-100 expansion unit is not required to operate the disks. The Video/Disk comes with a disk operating system, full documentation, a cable for connection to EXIDY's Sorcerer computer, and a swivel base.



The EXIDY S-100 Expansion Unit plugs into the Sorcerer computer's 50-pin expansion connector. The unit has its own 10 amp power supply and a mother board with 6 slots; it is available in 110 VAC 60 Hz or 220 VAC 50 Hz versions. These units can be daisy-chained if more slots are needed. All bus lines are fully buffered, and there is a 2 MHz clock.

Any S-100 compatible PC board may be plugged into the expansion unit. These boards include music and speech synthesizers, additional memory, disk interfaces, and bit pad/analog input devices.



The EXIDY I/O Expansion Kit contains an S-100 interface card and a cable which attaches the card to the Sorcerer's 50-pin expansion connector. The interface card has the same bus controllers and buffers as the EXIDY S-100 Expansion Unit; it fits into any other S-100 mother board and allows the Sorcerer to control the bus. The interface card has a 2 MHz clock and receives power from the S-100 mother board.

The EXIDY Serial Cassette Data Cable (DP4005) allows the Sorcerer computer to use two cassette recorders and to control the recorder motors. RS232 input and output devices may be used with the serial cable. This cable plugs into the computer's 25-pin serial interface connector.

The EXIDY Parallel Data Cable (DP4003) connects the EXIDY's Sorcerer computer to any Centronics-compatible line printer. It plugs into the computer's 25-pin parallel interface connector.



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