





The growth of the computer industry in the last quarter century can only be described as phenomenal, characterized by expanding popularity, diverse applications, simplification of usage, and perhaps most amazingly of all, decreasing cost. Here is a comprehensive look at microcomputing, Exidy style.

Our commitment to expanding the usage of microcomputers in every facet of everyday life is reflected in this product brochure. We at Exidy Systems believe that a modular approach to computing is the only approach. Your computer should be configured to your present level of comprehension. Your system can be expanded at a pace coordinated with your learning process. This concept dictates that the minimal configuration be very capable in performance and designed with future expansion in mind. We at Exidy Systems have accomplished that objective with the Sorcerer Computer product line.

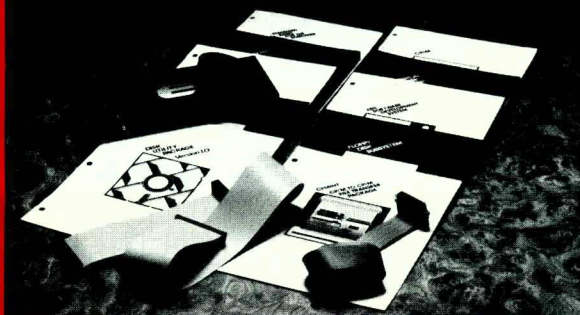
Every computer, from a desktop personal computer costing about \$1500, to one costing millions or more, operates in essentially the same ways. And although they may differ drastically in appearance, every computer has input and output devices, a central processing unit or CPU, memory, and programming. Most also have peripheral storage devices, or at least, the capability to use them.

The Sorcerer Computer product line described in this brochure offers the individual the ability to customize a system tailored to the application or select a completely integrated turn key computer system with our applications. Whatever the decision, the choice should be yours.

# EXIDY



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## Accessories

A product line is not complete until all the interconnect and expansion capabilities are completed. Cable interconnects for the standard input and outputs included in the Sorcerer Computer are:

- Serial Cassette Data Cable that provides a 25 pin RS232 connector for acoustic coupler or modem communications, as well as the input/output signal and control wires for dual cassette storage.

- Parallel Data Cable for interconnect of a Centronics compatible hard copy printer with 36 pin Centronics connector.

- Expansion Bus Daisy Chain Cable to allow direct connect floppy disk drives and an S-100 Expansion Unit to be wired together to the Sorcerer computer.

The degree you understand a computer system is directly proportional to the documentation provided by the Manufacturer. Our documentation includes: computer and peripheral operation manuals, Sorcerer technical manuals with full schematics, ROM PAC firmware and disk software manuals as well as internal software guide and listings. Our documentation speaks for itself.



## Software

A computer's programming is ultimately what makes the machine useful to people. Without it, a computer is nothing more than a collection of wires and circuits. The key to Sorcerer flexibility is the ROM PAC concept. By using these firmware cartridges which plug-in and remove with the ease of an eight-track stereo cartridge, you can turn your machine from a smart typewriter with Word Processor PAC to a Z-80 development system with Development PAC to a BASIC language programming unit with Standard BASIC to a powerful turn-key disk based system with Auto Program Load PAC.

The disk based software includes the powerful Microsoft Disk Extended BASIC, FORTRAN and COBOL, as well as the popular CP/M operating system and a number of useful utilities for format conversion and cassette to disk upgrade.

The cassette-based software includes an Extended Cassette BASIC with double precision and print using, as well as a variety of application programs for very small business, professional and educational.





## Sorcerer Computer

The Sorcerer Computer is housed in a typewriter styled keyboard enclosure. The central processing unit is the powerful Z80 Microprocessor with memory configurations of 16, 32 or 48 thousand words of user workspace RAM and 16 thousand words of programmed ROM. The video output is composite RS170 with 1920 characters displayed on the screen in a 64-character by 30-line format. Graphic resolution is 512 x 240 and user definable. The typewriter style keyboard supports the full 128 ASCII characters and 16-key numeric pad for computations. Additional input and output included are serial port for 300 or 1200 baud communications, parallel port for hard copy printer connections, dual cassette electronics for inexpensive mass storage. An expansion interface is provided for additional peripheral devices on the S-100 Expansion Unit.



## Display Disk

Compact and styled for the office of the future, the Display Disk attachment to the Sorcerer Computer makes for an integrated desk top computer system, rivaling those at twice the price. The unit is mounted on a swivel base stand that allows for various lighting, reflection and operator positions. A green (P31 Phosphor) image is projected on the screen to compensate for eye fatigue. Dual quad density floppy disk drives are built into the unit. Single sided drives allow 308K bytes of formatted storage per drive or 616K bytes total. Dual sided drives allow 616K bytes of formatted storage per drive or 1.2 megabytes total.

The Display Disk unit connects directly to the Sorcerer's 50 pin Expansion Bus connector and supports the popular CP/M disk operating system.





## Video Display

The visual presentation is worth a thousand words and the sharpest image is projected in our Video Display. The 12" professional CRT has a 20 MHz bandwidth for high resolution of both graphics and text. A green (P31) phosphor display is housed in a case styled in the Sorcerer fashion. The Video Display Unit connects directly to the Sorcerer composite video connector and cable.

The minimal configuration of a usable Sorcerer Computer is the combination of the Sorcerer and the Video Display Unit. In this configuration the system can perform the features of a video terminal to a timeshare system. With the addition of an inexpensive cassette recorder, program storage and retrieval is possible. The system becomes complete with the addition of hard copy printers. However, many applications require only keyboard entry and message display on a video screen.



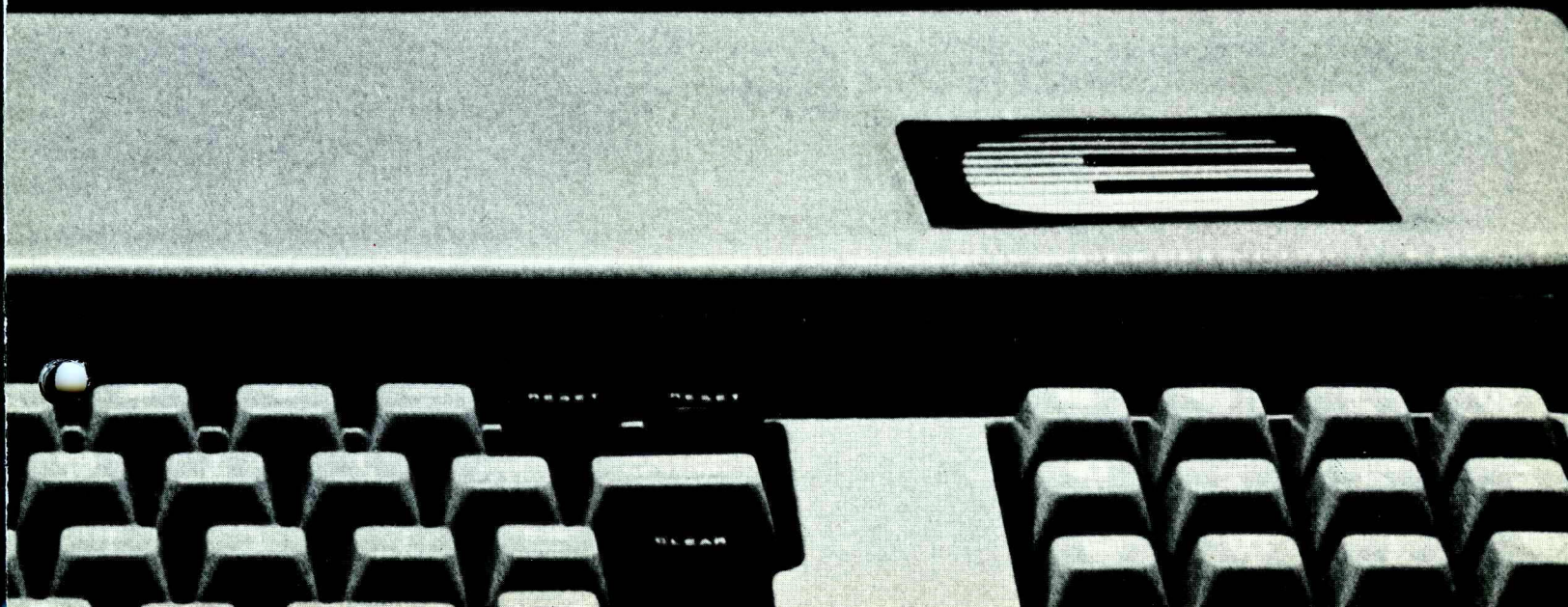
## S-100

Another item in the Sorcerer repertoire adding to the system's flexibility is the S-100 Unit. The S-100 Unit provides the user with up to six slots of expansion interface for such add-in hardware modules as speech synthesizers, music producers, analog-digital conversion, our own Winchester Hard Disk Storage or 8" IBM compatible floppy disk, and the list goes on.

As an IEEE standard interface, the S-100 Expansion Bus has become the defacto standard in development circles for new innovative technology.

The S-100 Expansion Unit has an independent power supply and connects directly to the Sorcerer computer 50 pin expansion connector with interconnect cable provided.

The unit is colored and styled to match the Sorcerer Computer.







## Disk Drives

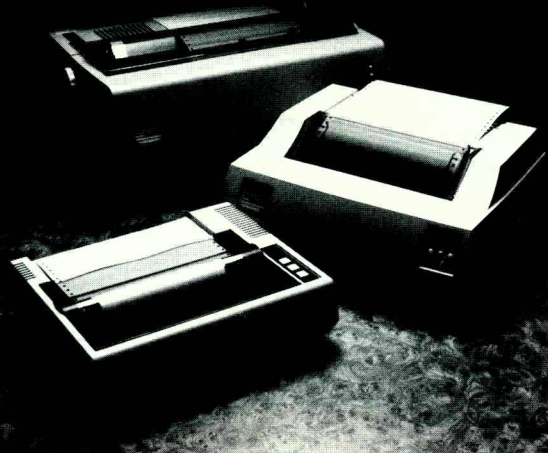
Mass storage for your library of programs or information is critical in a capable computer system. And it never seems to be enough when you finally have your applications on-line. The Sorcerer Computer offers both price and performance in three configurations for your requirements.

A 5.25" quad density single sided floppy disk drive and controller electronics that connects directly to the Sorcerer computer. The controller electronics allow for two additional disk drives to be added to the subsystem for future storage requirements. Each disk is capable of 308 thousand bytes of data in a soft sectored format.

An 8" floppy disk drive and controller electronics that connect to the S-100 Expansion Unit allows for IBM 3740 soft sectored format compatibility. The controller electronics allow for three additional disk drives either single or double sided for a total storage capacity of 2.4 or 5 megabytes.

A 10 megabyte Winchester disk drive and controller electronics that connect to the S-100 Expansion Unit offering the ultimate in storage capacity. The controller electronics allow for three additional drives for a total storage capacity of 40 megabytes.

Exidy Systems disk products run under the CP/M operating system and feature Microsoft Disk Extended BASIC.



## Printers

Printed output from your computer system is a reflection of its performance. The Sorcerer Computer has a variety of printers to accommodate your applications.

The Daisy Wheel Printer is designed for all applications that require high quality printing. Improved reliability is achieved by fewer mechanical parts and microprocessor electronics. Both 25cps and 45cps models are available with printing character sets of 136 character (pica pitch) or 163 character (elite pitch). The interface electronics are Centronics compatible. The ribbon and character wheels are Diablo compatible.

The Dot Matrix Business Printer is designed for applications requiring a heavy duty cycle of printing tasks such as mail lists, inventory lists or business forms printing. The speed is 125 characters per second either single or bi-directional. Character spacing of 40, 66, 80 or 132 characters per line is selectable. The character format is a 9 x 7 dot matrix printing an original and two copies. Paper loading is sprocket fed either from the rear or bottom. Paper width is 10" maximum.

The Graphics Printer is one of the most advanced 80 column dot matrix printers available today. The printer supports 64 graphic characters as well as the full 96 character ASCII font with lower case descenders. The character format is a 9 x 9 dot matrix printing bi-directionally at 80 characters per second. Paper loading is sprocket fed from the rear. Paper width is 10" maximum.



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No other small computer company is positioned to make the transition from personal to small business as well as Exidy Systems, Incorporated. From the beginning, the Sorcerer product line has been designed to be flexible to a degree not approached by others. This desktop turn key configuration illustrated can change its complexion by merely changing Rom Pac™ cartridges. Fool-proof, proprietary applications can be burned into ROM or these generalized standard office programs proven in over 5000 installations, are available at the flip of a switch.

**Word Processor**—A full feature word processing system with office management capabilities. Includes full screen video editor, function keys for easy use, global search and replace, automatic word wrap, insert/delete, horizontal scrolling, screen indents, full

block capability, full hyphenation, proportional spacing, centering, justification, pagination, nestable scripts, dynamic print controls, forms creation and fill-in, cue sorting, mail list, two column printing, batch printing and much more.

**Bookkeeping**—Intelligent cash management is achieved by our general ledger, accounts receivable, accounts payable, payroll, inventory control and order entry programs. You are presented with a list of options called menus. By selecting from the menus, you perform the functions of a completely integrated accounting system.

**General ledger** creates and maintains journal file and chart of accounts, computes trial balances with audit trail and produces profit and loss statements and balance sheets.

**Accounts receivable** controls aging by customer or dates, printing invoices and reporting to the general ledger.

**Accounts payable** reports payables by vendor or dates printing checks and reporting to the general ledger.

**Payroll** creates employee master file, computes payroll and prints register, job cost report, paychecks and reports to the general ledger.

**Inventory** Presents a general method of inventory control, produces inventory issued/received report, stock status report, ABC analysis, job cost report/material computes E.O.Q. (Economic Order Quantities) and reports to the general ledger.

**Purchase and Sales Order Management System**—that will print purchase orders, sales orders and invoices. Compute tax on taxable orders, organize orders and report history by vendor or customer and reports to A/R, A/P and Inventory Files.

The Exidy System 80 configuration required to operate these applications is a 48K Sorcerer Computer, Dual Disk Drives with appropriate printer and software.

