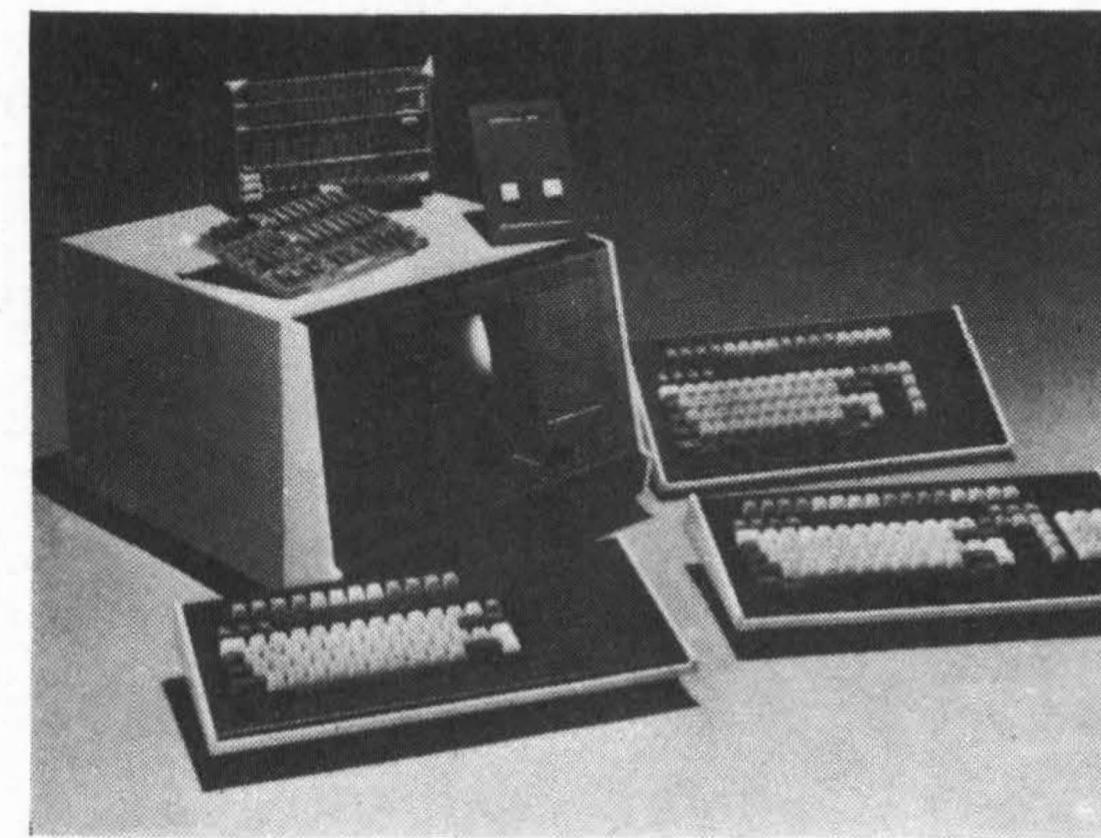


Modular Intelligent Terminal Maximizes End-Use Flexibility

The level of componentry available to computer system manufacturers for the production of their products has been raised with the introduction of the EXOR 68. The multifunction programmable terminal system offers a choice of major building blocks with which to configure display oriented equipment. The matched macrocomponents are a basic display unit, a variety of keyboard options, and a group of microcomputer subassembly boards.

The philosophy of Motorola Microsystems, 3102 N 56th St, Phoenix, AZ 85018 is to allow the user to concentrate on software and firmware development, and then manufacture the final system with little or no hardware design using the modular units. This also allows the user to achieve performance and cost-effective upgrading of the end product.



The basic unit is a CRT display that adds visual monitoring to a system. It consists of a video monitor capable of displaying up to 1920 characters in 24 lines on its 12" (30-cm) diagonal screen. Internal generators produce 128 characters, including 96 upper and lower case ASCII characters, 24 lower and 2 upper case Greek characters, and 6 special characters.

Built-in electronics permit operation with RS-232-C transmission and with 20/60-mA current loop equipment. Switches also permit the selection of word length, baud rate, communications mode, and modem control. Other features include blinking inverted cursor, audible alarm, and optional compatible motherboards for expansion with up to eight additional micromodules of EXORciser boards.

Operation is controlled by five executive firmware modules. The control board with MC6800 MPU permits

EXOR 68 programmable terminal system from Motorola consists of basic display unit with CRT, keyboards with varying functions, and host of Micromodule computer boards to give the terminal intelligence; user can mix components to match specific end-use requirements

such operations as multiple display modes, multiple data entry capability, and display of commands without execution. Built-in electronics are separate if keyboard entries are not required.

Six keyboard arrangements are offered as optional extras. TTY and control keys are standard on all, with various combinations of functional, editing, cursor control, page mode control, and auxiliary control keys, and numeric keypad. The keyboard can be connected to the display unit with optional-length cables to form a computer entry and display unit.

The addition of one or more micromodules adds any degree of intelligence the user may require. They range from partial computers (microprocessor, memory, and interface modules) to complete single-board microcomputers. The boards may be installed within the terminal card cage through an optional 8-card motherboard.

Circle 433 on Inquiry Card