



MOTOROLA

MICROSYSTEMS

M68SXS EXORterm 200

- M6800 Based CRT
- Standard EXORciser DEbug with USE or MPU modules
- Baud rate selectable to 9600 BPS
- Full 1920 character screen
- Easily read characters (7 x 9 dot matrix)
- A single keystroke for direct entry to EXbug, MAID, or DOS
- Isolated motherboard holds up to 8 EXORciser modules



EXORterm 200, designed and manufactured by Motorola Microsystems, is a display terminal and console expressly personalized for use as a M6800 Development Support System. EXORterm 200 facilitates the exchange of data between the user and the system via a high-quality video interface in conjunction with a keyboard. To further enhance the efficiency of the interface, special keys have been encoded to invoke functions unique to the development system in each of its three command levels - - EXbug, MAID, and DOS.

A basic EXORterm 200 incorporates a CRT chassis with a keyboard and isolated motherboard, MPU Module and DEbug Module. These items provide the basic control and interface functions of a microcomputer, and house the system's EXbug development and diagnostic programs, along with the capability of preparing M6800 programs. With provisions for up to six more modules (EXORciser modules or Micromodules), a system of almost any complexity can be rapidly assembled.

EXORterm 200 is also offered with a MEX68USEB User System Evaluator (USE) installed in the isolated motherboard in place of the MPU Module. The User System Evaluator provides all the features of the MPU Module, plus it extends all EXbug functions and all of the optional Systems Analyzer functions into the user's system. The USE-equipped EXORterm provides the designer with the capability of configuring an emulation of his M6800 microprocessor system in the terminal, external to the terminal, or a combination of terminal-resident modules working with the user's external system. The designer also can develop his system software and firmware on the terminal, and can use the USE-equipped terminal to debug his system hardware and software. In fact, a USE-equipped EXORterm can even be used to test and evaluate the user's production systems.

In addition to using EXORterm 200 as a development system, the terminal may be used as an asynchronous editing terminal through connection to a host computer (or other external device) via the serial interface (RS-232C or current loop), essentially bypassing the isolated motherboard.

Specifications

Display:

12" Diagonal, P4 Phosphor with anti-glare shield
24 lines, 80 characters per line
1920 character full display

Character Configuration:

7 x 9 dot character within a 9 x 12 dot matrix size field

Character Set:

ASCII 96 character subset with Greek alphabet and six special graphics

Cursor:

Blinking inverted video non-destructive 9 x 12 block
Incremental and absolute positioning (Addressable, Readable)

Keyboard:

Encoded, n-key rollover
12 function keys
62 alphanumeric and control keys
12 edit and cursor control keys
LED mode indicators
Full ASCII
Typewriter layout
Movable, detachable
Typamatic all keys

Interface:

Selectable baud rates - 110, 150, 300, 600, 1200, 1800,
2400, 4800, 9600

Power Requirements:

115 or 230 volts ac, 50/60 Hz
less than 200 watts

Physical Dimensions:

Display - 12.5"H x 18.5"W x 29"D (including keyboard)
Keyboard - 2.7"H x 18.5"W x 9"D
Weight - less than 65 lbs.
Operating Temperature - +10° to +40°C
Altitude - Not to exceed 10,000 ft.

Ordering Information

The following table identifies the options of the M6800 EXORterm 200 Development System.
For further information, contact your local sales office.

PART NO.	DESCRIPTION
M68SXS10200	EXORterm 200 Development System 220 V
M68SXS102B0	USE EXORterm 200 Development System 220 V



MOTOROLA Semiconductor Products Inc.