

M6800 Software for In-House Computers

M6800 Software support also is available for In-House computer systems. Compared with Time-Sharing, the use of In-House computers offers lower costs and access to faster peripherals. Three programs are available for software development and simulation:

- **M68SAM** – Cross Assembler
- **M68MPL** – Compiler
- **M68EML** – Simulator

These programs are available on punched cards or magnetic tape (7 or 9 track) and in a machine-independent format. Since these programs are written in ANSI standard FORTRAN IV, they may be installed with a minimum of effort and are easily adaptable to a variety of computers.

M68SAM – Cross Assembler converts the assembly language and symbolic statements into an object program consisting of machine language instructions for the M6800 Microprocessing Unit. The assembler also produces an assembly listing.

M68MPL – Compiler converts high-level language programs to M6800 assembly language. M68MPL is also available for Time Sharing systems.



M68EML – Simulator duplicates the M6800 Microprocessing Unit functions and accumulates timing information. Depending on the installation, the user can have total interactive control over the Simulator to execute, alter, and re-execute his program.