



MICROCOMPUTER SOFTWARE

8080 SIMULATOR INTERP/80

The 8080 Simulator, INTERP/80, is a complete simulation and debug program for the Intel® 8080 microcomputer. INTERP/80 provides powerful commands to control the execution of 8080 programs. Extensive debug features are built in to help reduce the time and cost involved in program checkout.

INTERP/80 is written in FORTRAN IV and is designed to run on most large-scale computer systems with a 32-bit or larger integer format (word size). It is also available for immediate use on several major timesharing services throughout the world.

INTERP/80 simulates execution of all 8080 machine instructions. Programs either compiled on the PL/M™ compiler or assembled on the MAC80 Cross Assembler may be loaded directly into INTERP/80 for simulation and check-out.

INTERP/80 provides commands to:

- Set Breakpoints
- Trace Program Execution
- Dump and Modify Memory
- Examine and Modify Registers
- Measure Program Timing
- Examine and Set I/O Ports
- Perform Interrupts and Stack Manipulations
- Perform Address Arithmetic

INTERP/80 also provides symbolic debugging capability. Memory locations may be referenced by their symbolic names, either through labels or variable names. This eliminates the need to know the specific absolute address of each variable or label.

Simulates all 8080 Machine Instructions

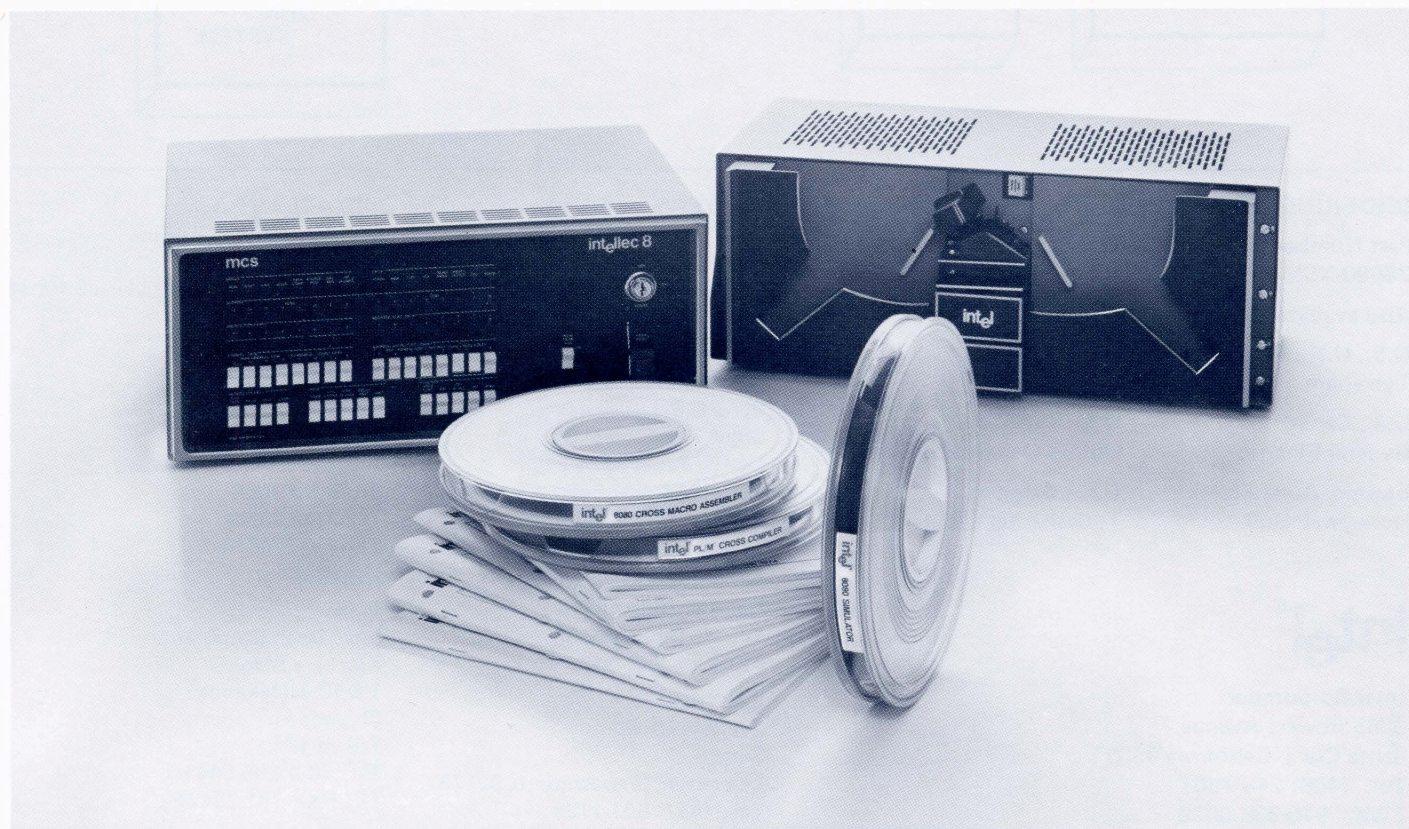
Accepts Output from PL/M™ Compiler or MAC80 Cross Assembler

Comprehensive Debug Features

Written in FORTRAN IV

Instantly Available on Worldwide Time-sharing Services

Comprehensive User Documentation



SPECIFICATIONS

CAPABILITIES:

Simulates all 78 machine instructions
Allows 16K program, easily expandable
Can be run in batch or interactive mode

OPERATIONAL ENVIRONMENT:

Hardware required
32-bit or larger word size
15–20K words of memory, depending on machine
Software required
FORTRAN IV compiler

SHIPPING MEDIA:

Magnetic tape

TAPE FORMAT:

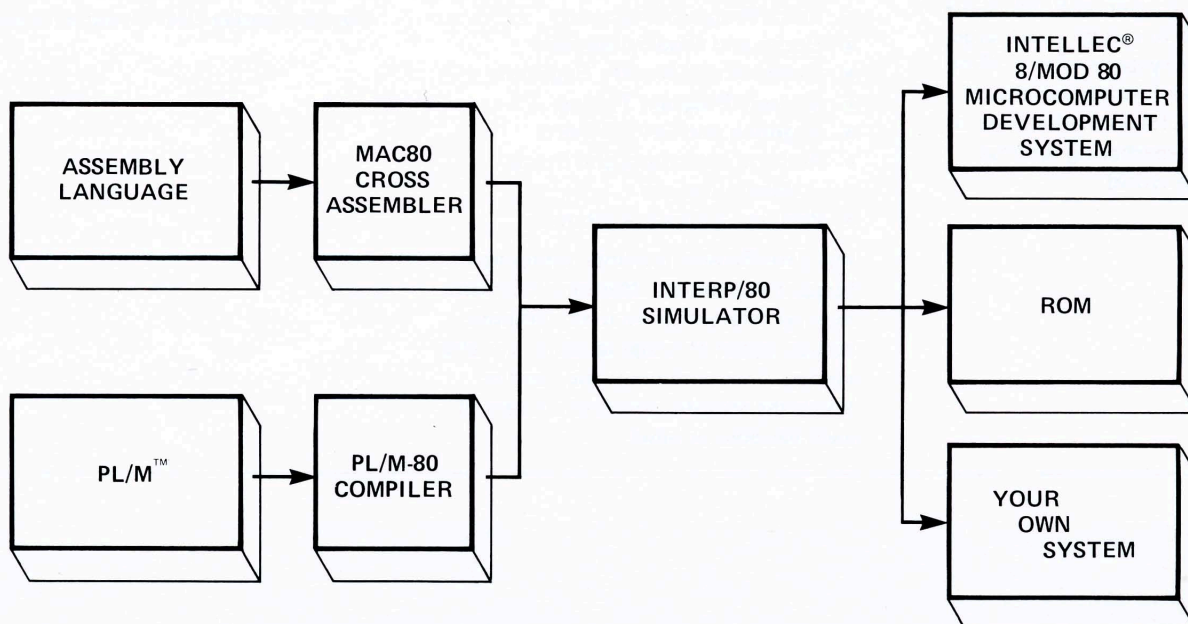
9-track	80-byte unblocked
EBCDIC	records
800 BPI	Unlabeled

TAPE CONTENTS:

8080 Simulator
(FORTRAN IV Source)
MERGE Source File Editing Program
(FORTRAN IV Source)

DOCUMENTATION PACKAGE:

INTERP/80 User's Manual
INTERP/80 Installation Guide



ORDERING INFORMATION:

Part Number	Description
Z8080-XSM-FTR	8080 Simulator

Also available on these timesharing services:

U.S., U.K., France Tymshare	Japan Dentsu
U.S., Canada General Electric	U.S. United Computing Systems
Europe, Australia Honeywell-Bull	U.K., Belgium Timesharing Ltd.

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