MICROCOMPUTER SOFTWARE

8008 SIMULATOR INTERP/8

The 8008 Simulator, INTERP/8, is a complete simulation and debug program for the Intel® 8008 microcomputer. INTERP/8 provides powerful commands to control the execution of 8008 programs. Extensive debug features are built in to help reduce the time and cost involved in program checkout.

INTERP/8 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/8 simulates execution of all 8008 machine instructions. Programs either compiled on the PL/M™ compiler or assembled on the MAC8 Cross Assembler may be loaded directly into INTERP/8 for simulation and checkout.

INTERP/8 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/8 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.

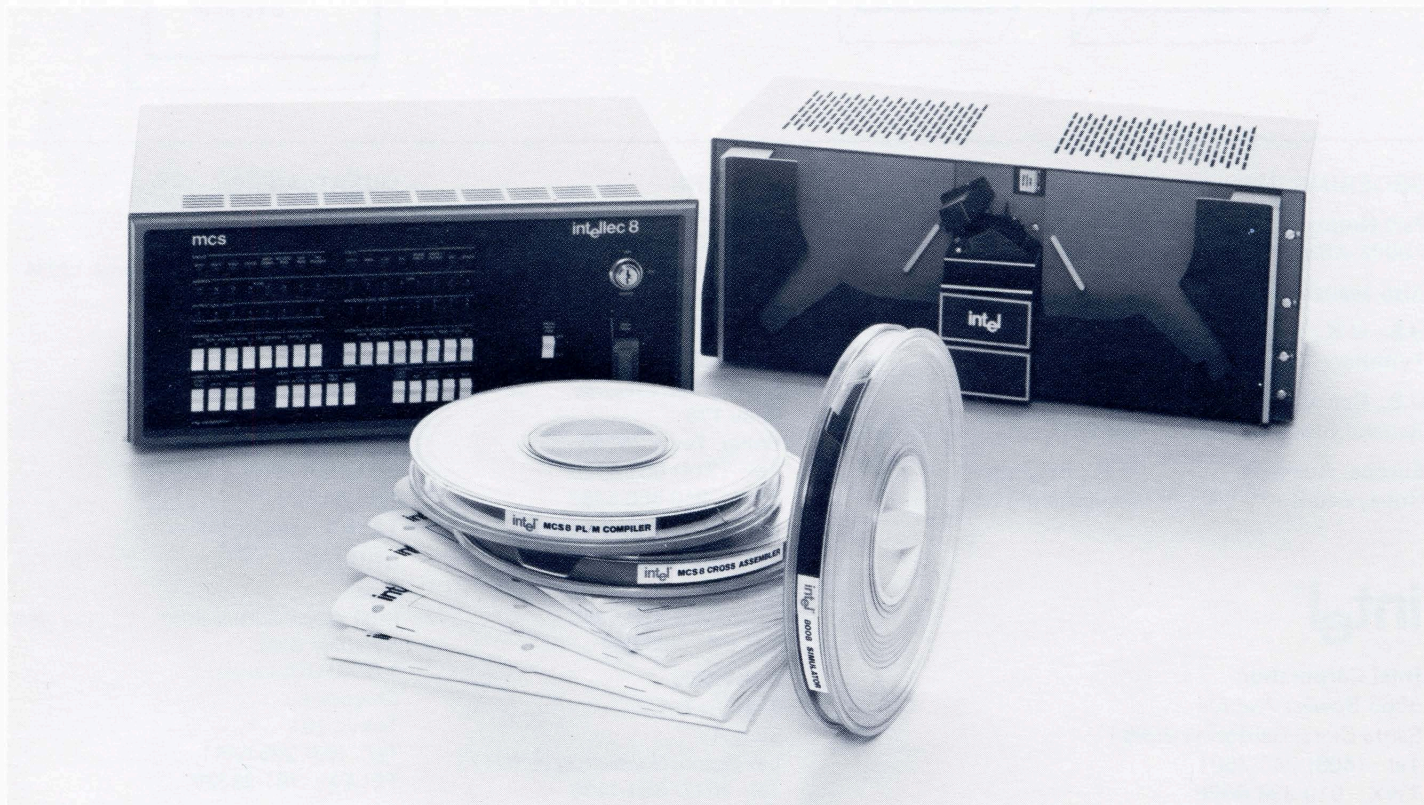**Simulates all 8008 Machine Instructions**

Accepts Output from PL/M™ Compiler or MAC8 Cross Assembler

Comprehensive Debug Features

Written in FORTRAN IV

Instantly Available on Worldwide Time-sharing Services

Comprehensive User Documentation

SPECIFICATIONS

CAPABILITIES:

Simulates all 48 machine instructions

Allows full 16K program

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

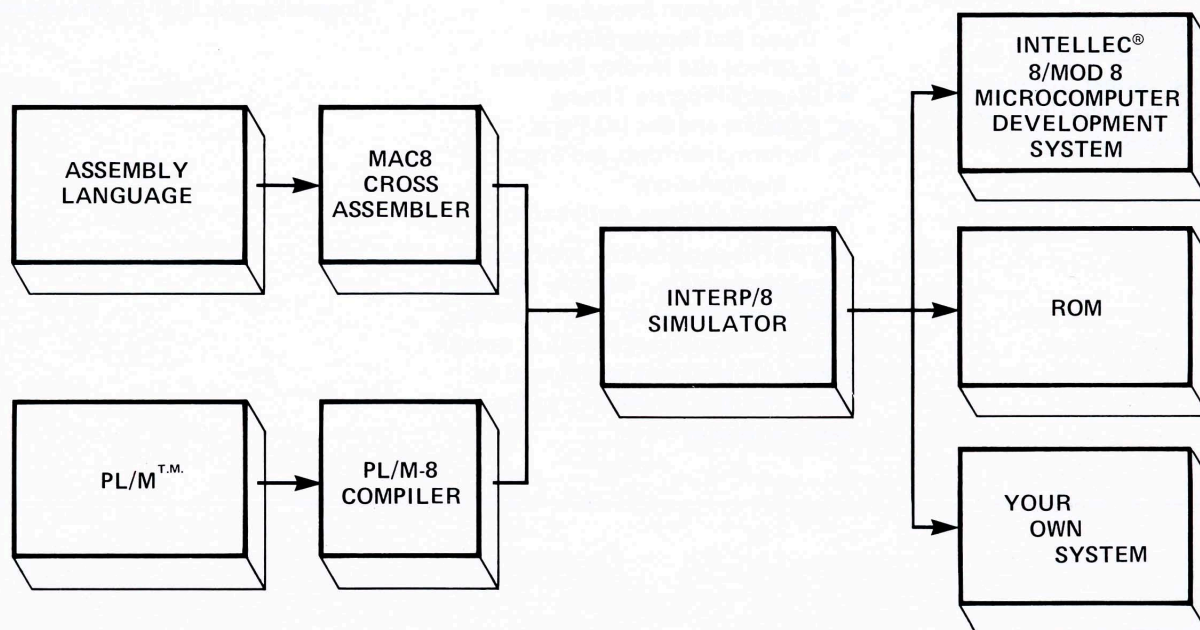**TAPE FORMAT:**

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

TAPE CONTENTS:

8008 Simulator
(FORTRAN IV Source)
MERGE Source File Editing Program
(FORTRAN IV Source)

DOCUMENTATION PACKAGE:

INTERP/8 User's Manual
INTERP/8 Installation Guide

ASSEMBLY LANGUAGE → MAC8 CROSS ASSEMBLER → INTERP/8 SIMULATOR → INTELLEC® 8/MOD 8 MICROCOMPUTER DEVELOPMENT SYSTEM / ROM / YOUR OWN SYSTEM

PL/M™ → PL/M-8 COMPILER → INTERP/8 SIMULATOR

ORDERING INFORMATION:

Part Number	Description
Z8008-XSM-FTR	8008 Simulator

Also available on these timesharing services:

U.S., U.K., France
Tymshare

U.S., Canada
General Electric

Europe, Australia
Honeywell-Bull

Japan
Dentsu

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Telex: 34-6372

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