The Economical IMSAI 8080
Intelligent Floppy Disk System

For the money, there's no development system like it: it's easier to use, more powerful, modular and versatile than anything on the market. The intelligent interface/controller has its own processor and firmware, and provides a sophisticated control of the floppy disk system with DMA and automatic retry.

IMSAI 8080 Specifications

Processor: IMS8080A
Memory: 65,536 words, direct addressable, MOS
Word Size: One byte (8 bits)
Register Instruction Cycle Time: 7 usec
Basic Machine Cycle Time: 0.5 millisecond
Number of I/O Ports: 256
Machine Instruction Set: 78 basic instructions, 174 including variants
Nested Subroutine Calls: Limited only by memory size
Interrupts: Eight hardware levels (optional)
Registers: Six plus stack pointer, program counter, accumulator, and status register
Board Capacity: 22 maximum
Power: 120V, 50-60 Hertz, single phase
Amperage: 28 amperes
Dimensions (cabinet): 19 in. wide, 17 in. deep, 7 in. high (rack mount optional)

Specifications and prices are subject to change.

Send $1.00 For A Copy Of The IMSAI 8080 Catalog And Price List/Order Form Today!
Inherent value

The expandability and adaptability of the IMSAI 8080 make it a truly value-added system. When you place your order, you specify exactly what you need in the way of memory, I/O boards and peripherals. The chassis has a capacity of up to 22 boards, and the universe of 8080 and I/O interface boards will plug into any slot. With provision for 10 cable connectors, it's simple to plug numerous peripherals directly into the IMSAI 8080.

For large programs, you can have up to 64k bytes of 500-nanosecond memory with a powerful write-protect feature and LED status indicators. Or you can store your programs permanently in erasable PROM’s. The IMSAI 8080 makes multiprocessing very economical. As many as six processors can share a common memory. With the variety of I/O interfaces available for the IMSAI 8080—plus two 256 I/O ports—you can configure exactly the system you want. For heavy communications applications, you can specify an eight-level priority interrupt board. And select any number of serial I/O interface boards for synchronous and asynchronous RS232 or current loop operation. Or you can choose a versatile multifunction board with both serial and parallel ports, plus a tape cassette recorder interface.

For various computer control applications you can order parallel I/O boards, A/D and D/A converter boards, and an IEEE-standard board for instrumentation interfacing. For data base management applications, you can operate four floppy disk drives with each intelligent interface/executor you specify. Other I/O boards are available for interfacing high-capacity disk drives, a tape cassette recorder, and high-speed printers. In addition, there are I/O boards that let you use a conventional color TV or a video monitor for character graphics display. With the IMSAI 8080 you won't have to worry about where to go to order your peripherals. IMS Associates has just about any peripheral you need, including single or dual floppy disk drives, three different 3330-type disk drives, serial and line printers, CRT terminals, and a keyboard.

If you're an OEM, you can order the IMSAI 8080 without a control panel, or a panel with your own labeling. And the system is available for rack mounting. And all this value is backed by a 90-day warranty.