

This manual presents the 8080 Microcomputer System. The 8080 Microcomputer is the first high performance, n-channel, single chip microprocessor available with a performance matched circuit family and software backup. It is also the only microcomputer available that is supported by over a 100 man-years of microcomputer, systems, software and engineering experience.

The Intel 8080 is the world's best supported microcomputer. You can get an Intellec 8[®] containing an 8080 CPU as a program development system. And, you can also get a cross-assembler and simulator which run on most large computers and an Intellec resident macro-assembler, editor and monitor. The 8080 is also supported with PL/M[™], the first high level compiler language designed specifically for microcomputer systems, which greatly simplifies program development.

Over 15 microcomputer system components have been introduced which are performance matched and tested to work with the 8080 microcomputers. These components will simplify design, enhance systems performance and greatly reduce your manufacturing costs. These circuits and five new circuits are described in this manual: Clock Generator, System Controller, Priority Interrupt Control Unit, Programmable Peripheral Interface, and High Speed Static RAM.

We have been shipping 8080's to Intel customers since December 1973. Many are now being used in production systems. You can get yours today by placing an order with one of Intel's distributors or sales representatives.

Additional information on the 8080 and the 8080 product family will be sent to you as available. Please fill in the reply card on the back cover and send it to me.

Intel is the world's leading manufacturer of semiconductor memories and microcomputers. We intend to stay on top by supplying your volume product requirements and by continuing to supply the most technologically advanced microcomputer products available anywhere.

*Ken McKenzie
MCS-80[™] Product Marketing Engineer*

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