

I-8080

Mainframe

The standard microcomputer includes:

- Front panel and control board (CP-A)
- Chassis with 20-slot card cage
- Sturdy, attractive dust cover (DC)
- 28-ampere power supply (PS-28)
- 10 MHz 20 slot terminated Motherboard (WB20)
- Documentation

Motherboard

Card-to-card spacing on the Mother Board is $\frac{3}{4}$ -inch, except for the first position reserved for the front panel board or any other board in dedicated applications. Eight, ten, twelve and twenty slot terminated Mother Boards are available for the system, good to 10 MHz.

Heavy power traces handle the large currents that exist in a heavily loaded backplane. High-quality connectors have gold-plated contacts for reliability and long life.

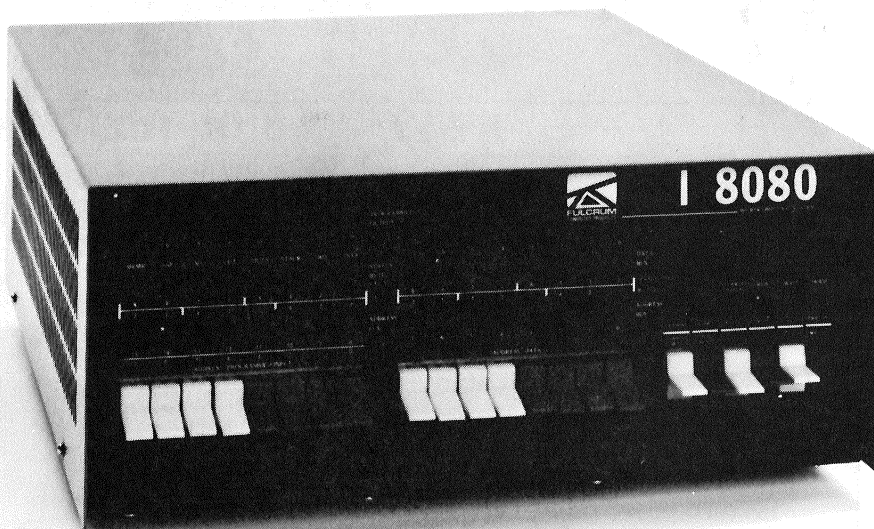
Front Panel

The CP-A Board forms the operator's panel. It includes switches, indicators and logic needed for manual operation. The panel is completely self-contained and plugs directly into the first Mother Board slot. Or it may be connected through an extender board to any available slot in the Mother Board. When the first slot is not used for the front panel, that slot may be used by another board, such as the Parallel I/O Board with its LED indicators visible.

Front panel facilities include:

- 16 address/data switches
- 16 LED address indicators
- 8 LED data bus indicators
- 8 LED programmed output bit indicators
- 6 control function switches
- 8 LED status indicators (including control indicators for INTERRUPT ENABLED, RUN, WAIT and HOLD)

The front panel includes logic that drives the programmed output indicators, and reads the input byte from the high-order address switches. DATA BUS indicators show data either read or written by the processor.



Indicators are wide-angle LED's behind a contrast-enhancing acrylic panel assembly. Photographically produced panel markings are crisp and explicit and can never wear off. Bit positions are numbered and labeled for both hexadecimal and octal notation. Special labels may be easily inserted to identify special functions for the programmed output LED's.

Switches are high-quality units, with paddle handles color-coded for easy, error free operation.

Power Supply

The Power Supply (PS-28) is designed for use with pc boards having on-board regulators. Outputs are +10V and $\pm 18V$ at no load, and approximately +7V and $\pm 15.8V$ at full load.

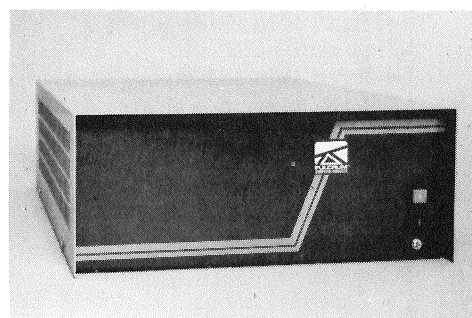
A Power Supply pc board contains rectifiers and 120V ac switching and fusing functions. The board provides terminals for switched ac power, both fused and unfused, for a ventilating

fan and auxiliary power outlets on the back panel. When the computer is supplied without the front panel, and ac power switch is mounted on the Power Supply Board.

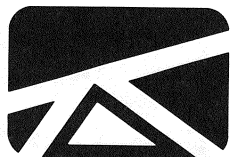
A custom-built transformer and large, conservatively rated filter capacitors are mounted on the chassis. All connections are made by molex connector.

8015 Mainframe

Same as 8080 mainframe except without CPA. The 8015 front has one switch for reset, one for interrupt and a key locking switch for power.



CPA	Improved Imsai style front panel works with Z80, etc.	\$225.00
8080 Mainframe	\$630.00
8015 Mainframe	\$475.00



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