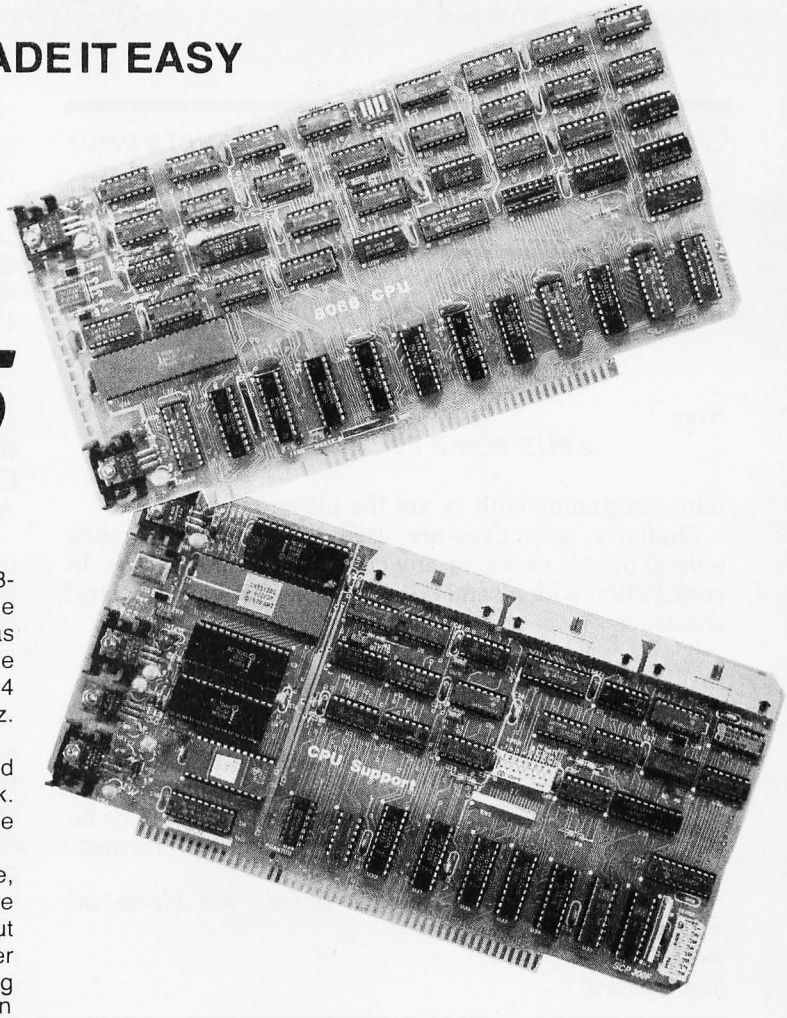
GO 16-BIT NOW — WE HAVE MADE IT EASY

8086

8 Mhz. 2-card CPU Set

WITH 86-DOS™ $595

ASSEMBLED, TESTED, GUARANTEED



With our 2-card 8086 CPU set you can upgrade your Z80 8-bit S-100 system to run three times as fast by swapping the CPUs. If you use our 16-bit memory, it will run five times as fast. Up to 64K of your static 8-bit memory may be used in the 8086's 1-megabyte addressing range. A switch allows either 4 or 8 Mhz. operation. Memory access requirements at 4 Mhz. exceed 500 nsec.

The EPROM monitor allows you to display, alter, and search memory, do inputs and outputs, and boot your disk. Debugging aids include register display and change, single stepping, and execute with breakpoints.

The set includes a serial port with programmable baud rate, four independent programmable 16-bit timers (two may be combined for a time-of-day clock), a parallel in and parallel out port, and an interrupt controller with 15 inputs. External power may be applied to the timers to maintain the clock during system power-off time. Total power: 2 amps at +8V, less than 100 ma. at +16V and at -16V.

86-DOS™, our $195 8086 single user disk operating system, is provided without additional charge. It allows functions such as console I/O of characters and strings, and random or sequencial reading and writing to named disk files. While it has a different format from CP/M, it performs similar calls plus some extensions (CP/M is a registered trademark of Digital Research Corporation). Its construction allows relatively easy configuration of I/O to different hardware. Directly supported are the Tarbell and Cromemco disk controllers.

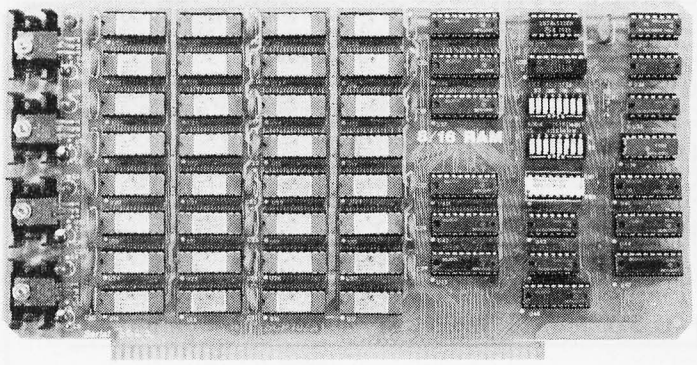
The 86-DOS™ package includes an 8086 resident assembler, a Z80 to 8086 source code translator, a utility to read files written in CP/M and convert them to the 86-DOS format, a line editor, and disk maintenance utilities. Of significance to Z80 users is the ability of the translator to accept Z80 source code written for CP/M, translate this to 8086 source code, assemble the source code, and then run the program on the 8086 processor under 86-DOS. This allows the conversion of any Z80 program, for which source code is available, to run on the much higher performance 8086.

BASIC-86 by Microsoft is available for the 8086 at $350. Several firms are working on application programs. Call for current software status.

All software licensed for use on a single computer only. Non-disclosure agreements required. Shipping from stock to one week. Bank cards, personal checks, CODs okay. There is a 10-day return privilege. All boards are guaranteed one year — both parts and labor. Shipped prepaid by air in US and Canada. Foreign purchases must be prepaid in US funds. Also add $10 per board for overseas air shipment.

8/16 16-BIT MEMORY

This board was designed for the 1980s. It is configured as 16K by 8 bits when accessed by an 8-bit processor and configured 8K by 16 bits when used with a 16-bit processor. The configuration switching is automatic and is done by the card sampling the "sixteen request" signal sent out by all S-100 IEEE 16-bit CPU boards. The card has all the high noise immunity features of our well known PLUS RAM cards as well as "extended addressing". Extended addressing is a replacement for bank select. It makes use of a total of 24 address lines to give a directly addressable range of over 16 megabytes. (For older systems, a switch will cause the card to ignore the top 8 address lines.) This card ensures that your memory board purchase will not soon be obsolete. It is guaranteed to run without wait states with our 8086 CPU set using an 8 Mhz. clock. Shipped from stock. Prices: 1-4, $280; 5-9, $260; 10-up, $240.



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Circle 111 on inquiry card.