

programs, subprograms, and subroutines into one operational program; to modify/change existing source programs and create new source programs; and to generate a list of all program symbols which serve as a quick reference table. To further reduce development time, the software tools allow the user to control and manage the dual floppy disc (the mass storage device); and load, debug,

modify, test, and document application target system software from the console or target SuperPac 180 system console. With the interpreter and compiler, the user can write BASIC and FORTRAN language programs, respectively.

Circle 436 on Inquiry Card

Peripherals Option Card Extends Capabilities Of Pascal Machines

Continual expansion of options for the 8085A CPU based microcomputer

systems is possible with the 85/EX peripherals option card. Northwest Microcomputer Systems, 121 E Eleventh, Eugene, OR 97401 offers as add-on features an arithmetic processing unit (\$422 for the 3-MHz version, \$272 for the 2-MHz version), an interrupt controller (\$90), interval timer (\$50), parallel I/O interface (\$90), and serial I/O interface (\$70). The required peripherals option card for these items retails for \$158.

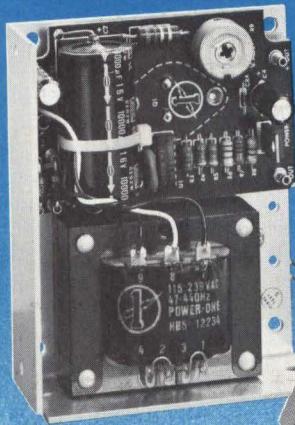
An arithmetic processing unit (AMD9511) provides 32-bit, fixed and floating point arithmetic, and floating point trigonometric operations to enhance the mathematical capability and performance of the company's 85/P. Featuring the Intel 8259, an interrupt controller resolves priority among eight different interrupt levels according to software algorithms provided by the user. Interval timer capability is obtained from Intel's 8253 programmable interval timer. Each timer has three user programmable 16-bit BCD or binary counters.

The parallel I/O interface uses the Intel 8255A programmable peripheral interface device to provide 24 signal lines for transfer and control of data to or from peripherals. The serial I/O interface, using Intel's 8251 USART device, can be coupled with the parallel interface option and interval timer to give complete RS-232 serial data communications including IBM Bi-Sync. It operates with most serial data transmission protocols.

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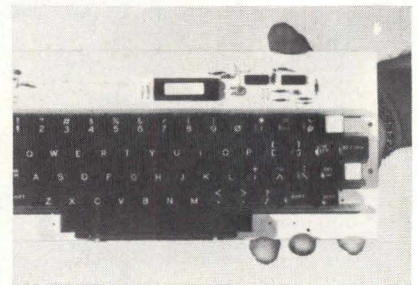
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