

parity memory, an extended version of the LSI-11 bus, and 7 expansion slots for adding modules. The parity memories employ 64k chips for higher memory density per board and are offered in 256k- and 512k-byte versions.

The 5.25" high processor fits in a std 19" (48-cm) industrial rack and includes a CPU module that contains the microprocessor chips, clock, bootstrap, diagnostics, and 2 serial line units. Options include floating point microcode and commercial instruction set chips. The system also accommodates the FPF-11 hot floating point option that provides 17-digit accuracy and 6 times the speed of the floating point chip option alone.

Two basic configurations are available. The entry level configuration has twin 10.4M-byte disk cartridge drives, a VT-100 family terminal, RSX-11M operating system software, and a processor with 256k bytes of memory. A second configuration has dual 10.4M-byte drives, a VT-100 family terminal, RSX-11M+ operating system software, and a processor with 512k bytes of memory. Prices for the processor start at \$8500. **Digital Equipment Corp.**, Maynard, MA 01754.

Circle 272 on Inquiry Card

## Multi-user, multitasking microcomputer system



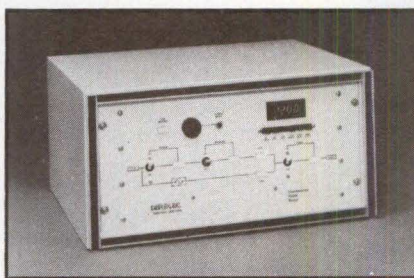
A 32M-byte Winchester disk system that supports up to 5 workstations, 5032 MultiShare microcomputer system features a 6-MHz Z80B processor that speeds processing time by 15% to 20% over a 4-MHz system, and an extended version of the CP/M operating system. RAM memory is expanded to 128k, providing 56k per terminal for user applications. Basic system hardware includes a video console and keyboard, Megastor chassis with independent power supply, 8" Winchester hard disk drive, and a 630k-byte floppy disk. Both the hard and floppy disks utilize the company's dual-mode disk controller with automatic error detection and correction. Full system backup is available with an optional 4-track, 15M-byte cartridge tape drive. With the system's timesharing capabilities, different applications

can be performed simultaneously by up to 5 operators at locations up to 100' (30 m) from the central processor. Two printers can be supported and operated simultaneously. In addition to extended CP/M, std software includes Microsoft BASIC, SCOPE editor, and ZSM assembler. **Vector Graphic, Inc.**, 500 N Ventu Park Rd, Thousand Oaks, CA 91320.

Circle 273 on Inquiry Card

## POWER SOURCES & PROTECTION

### Switch mode line protectors provide ac power line protection



First in a series of lightweight, low cost "switch mode" line protectors, models DLP-8 and -12 combination line conditioners and uninterruptible power systems provide complete protection from all problems associated with ac power lines, including noise brownouts and full blackouts. Designed for use with small computer systems, DLP-8 and -12 handle computer ac load requirements up to 1 kVA and 1.5 kVA, respectively. All power conversion and control functions are carried out at frequencies higher than the 50/60-Hz line frequencies, eliminating line frequency magnetic chokes and transformers.

Both units are equipped with integral, built-in sealed batteries capable of 5-minute operation minimum at full power in the event of a complete power failure. Second versions of both units are available with built-in batteries for a minimum operation of 1 hour. The line protectors operate from a wide range of input voltages and frequencies. Either unit can be user selected for a center voltage of 115 or 230 Vac, and proper 1-line operation will occur as long as power line voltage stays within 30% to -20% of this level. Line frequency can be from 25 to 500 Hz.

Output voltage and frequency can be factory set to any std level. Frequency is maintained to better than 1% and voltage is regulated to  $\pm 5\%$  over the full output range, with load power factors  
(continued on page 193)



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For more information, write RCA MicroComputer Marketing, New Holland Avenue, Lancaster, PA 17604, or call 717-291-5848. To order, call toll-free, 800-233-0094.

\*OEM quantity price. Model VP-601 (parallel output).

# RCA

CIRCLE 109 ON INQUIRY CARD