

### Computer System Is Configured Upon Base System Chassis

A totally enclosed, rack mount cabinet measuring 5.25 x 17 x 12" (13.3 x 43 x 30.5 cm) serves as the base system chassis for Digital Equipment Corp's LSI-11 computer systems. BA/x3 is compatible with the LSI-11 Q-Bus, and accommodates all standard LSI-11 modules and interfaces.

Manufactured by General Robotics Corp, Components Div, 57 N Main St, Hartford, WI 53027, the chassis includes two ventilation fans and power supplies that provide 5- and 12-V power to the 8-quad slot (16-dual slot) Q-Bus backplane with card cage. Also included is a TBC terminator/bootstrap/clock module, which provides Q-Bus termination, realtime clock, power sequencing, and run enable/halt switch module. Single-quantity price is \$1650.  
Circle 424 on Inquiry Card

### Remote, Standard Typewriter Keyboard Connects to $\mu$ Computer

Touchtyping data entry to the Commodore PET™ computer is obtained with the addition of PERK™, the professional encoded remote keyboard. The typewriter style, 56-key ASCII, alphanumeric keyboard supplements the computer's half-size built-in calculator type keyboard.



The desktop, steel enclosed keyboard connects to the computer through a plug-in interface card. Once installed, it is usable on all existing software. Sharing the computer's internal keyboard interface allows the two keyboards to be used interchangeably; thus, the remote unit can be used for normal data entry and the built-in unit for numerics or graphics.

Upper and lower case characters are standard. George Risk Industries, Inc, GRI Plaza, Kimball, NE 69145 has included an alpha-lock feature for entry of upper case only or TTY mode operation. Standard CRT terminal control functions handle cursor control; full screen editing capabilities are provided.

Several keyboards may be attached to a single computer for multiple operator data entry. A UL listed power supply activates the attached keyboard and interface, eliminating any drain on the computer's power supply.  
Circle 425 on Inquiry Card

### Multiple Output dc Power Supplies Have Improved Efficiency

"Power Miser" dual and triple output high efficiency linear series regu-

lated dc power supplies are 30 to 40% higher in efficiency and 30 to 45% smaller than other series regulators. Models feature 53 to 56% efficiency, MTBF of 60k to 80k hours,  $\pm 0.05\%$  line or load regulation, 5-mV peak-to-peak ripple, tempco of 0.02%/°C, and stability of  $\pm 0.1\%$  for 24-h period after 30-min warmup. Also included are remote sensing, overload and short-circuit protection, reverse polarity protection, and inductive load protection.

Available from Adtech Power, Inc, 1621 S Sinclair St, Anaheim, CA 92806, dual output model DEMPS 12-6 is rated at  $\pm 12$  V at 6 A; model 15-5.5 is  $\pm 15$  V at 5.5 A. Triple output models are TEMPS-3 rated at 5 V at 12 A or  $\pm 12$  V at 2 A, and -4 rated at 5 V at 18 A or  $\pm 12$  V at 3 A. On 5-Vdc output units, ac input is 105 to 125 Vac, 47/440 Hz; on all others it is 105 to 125/210 to 250 Vac, 47/440 Hz.  
Circle 426 on Inquiry Card

### Error Correcting Memory Boards Support 8086 Based Products

The line of Intel Multibus™ compatible memory boards, available in 16k-, 32k-, 48k-, and 64k-word sizes, has been expanded by MuPro, 424 Oakmead Pkwy, Sunnyvale, CA 94086 to support 8086 based systems, such as the Intel i86™ 86/12. Boards are strappable for either 16-bit word or 8-bit byte memory transfers.

Three configurations are available for all four boards: single-bit error correction; double-bit error detection, single-bit parity; or without parity or error correction. Diagnostic indicators that precisely pinpoint the erring memory chip are supplied on all error correcting configurations. Error status is also available to the CPU via software control.

Additional features are onboard dynamic RAM refresh, provision for external refresh synchronization, and battery backup. Refresh logic and circuitry to power the RAM devices are connected to a separate backup power distribution bus. An input line for externally generated R/W memory protects against spurious R/W cycles during power fail switching periods. Single-quantity prices range from \$1375 (16k words/32k bytes of memory) to \$4250 (64k words/128k bytes with error checking and correction).  
Circle 427 on Inquiry Card

# Interconnections bending your brain?

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