

IMSAI announces a unique 4K RAM board for just \$139.

Nobody has a 4K RAM board that gives you so much for your money. It's fully compatible with the Altair 8800.

Through the front panel or under software control, you can write protect or unprotect any 1K group of RAM's. Also under software control you can check the status of any 4K RAM board in 1K blocks to determine whether it's protected or not. The board has LED's that clearly show you the memory protect status of each 1K block and which block is active. And there's a circuit provided that will let you prevent the loss of data in the memory if there's a power failure. This low power board has a guaranteed 450 ns cycle time—no wait cycle required. There's nothing like the IMSAI 4K RAM board around.

Dealer inquiries invited.

IMS

IMS Associates, Inc.

IMS Associates, Inc.
1922 Republic Ave.
San Leandro, CA 94577
(415) 483-2093

Order Your IMSAI 4K RAM Board For Only \$139. Use BankAmericard, Master Charge, personal check or money order.

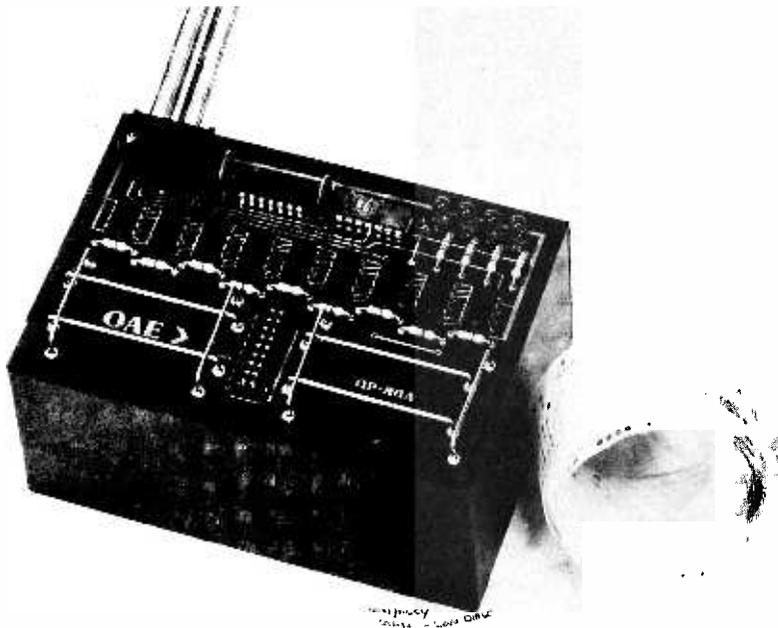
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A New Low for Paper Tape Input Costs. . .

One way to lower the cost of mechanically oriented peripherals such as paper tape readers, printers, tape recording, etc, is to minimize the number of mechanical parts required. Here is an example of the result of such a strategy, the OP80A Low Cost Paper Tape Reader manufactured by Oliver Audio Engineering. There are "no moving parts" — except the paper tape itself when it is pulled through the guides as part of a read operation.

The device is designed to interface with an 8 bit parallel IO port for any of the microprocessors now on the market. It is ideal for loading all types of microprocessor support software in cases where it is distributed on paper tape. A well known 12K extended BASIC package is said to be loadable in 30 seconds (by experienced tape pullers). The electronic limits set a maximum feasible rate of 5000 CPS, with the actual rate entirely determined by the speed at which you pull the tape past the precision optical sensor array. If you make or buy a high speed paper tape winder, your rate of transfer could be quite high.

The device is available as a fully assembled and tested version for \$95 or as a kit for \$74.50. The device has four status LEDs, an anodized aluminum box, four feet of flat interface cable, assembly instructions (for the kit), interface schematics and related documentation. Oliver Audio Engineering is located at 1143 North Poinsettia Dr, Los Angeles CA 90046, (213) 874-6463. ■

What's New?