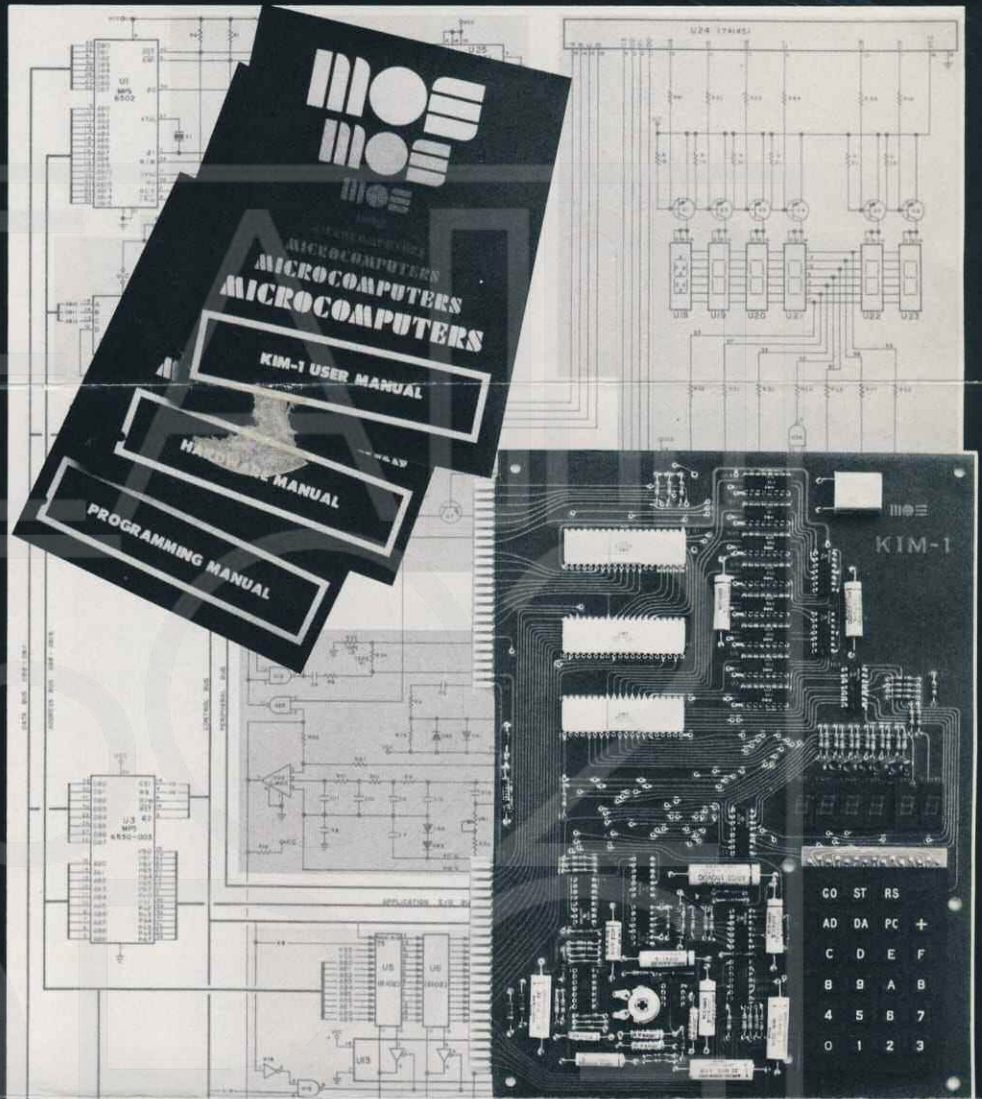
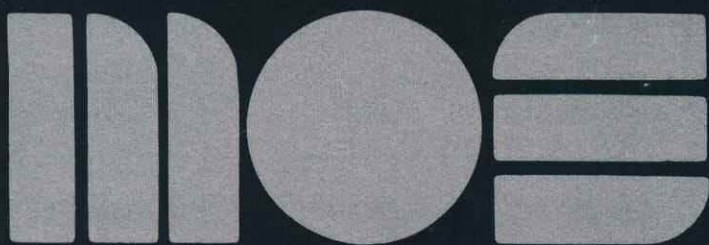


# KIM-1 microcomputer system

- A COMPLETE MICROCOMPUTER
- ONLY \$245
- NOT A KIT!  
FULLY ASSEMBLED  
FULLY TESTED  
FULLY WARRANTED
- OPERATES WITH  
KEYBOARD & DISPLAY  
AUDIO CASSETTE  
TTY
- INCLUDES  
FULL DOCUMENTATION  
MONITOR SOFTWARE



BULK RATE  
U.S. POSTAGE  
PAID  
Norristown, Pa.  
Permit 925



**MOS TECHNOLOGY, INC.**

950 RITTENHOUSE RD. NORRISTOWN PA. 19401



- 6502 MPU Array

- 6530 Arrays
  - 2048 ROM Bytes
  - 128 RAM Bytes
  - 30 I/O Pins
  - 2 Timers

- 1024 Byte RAM

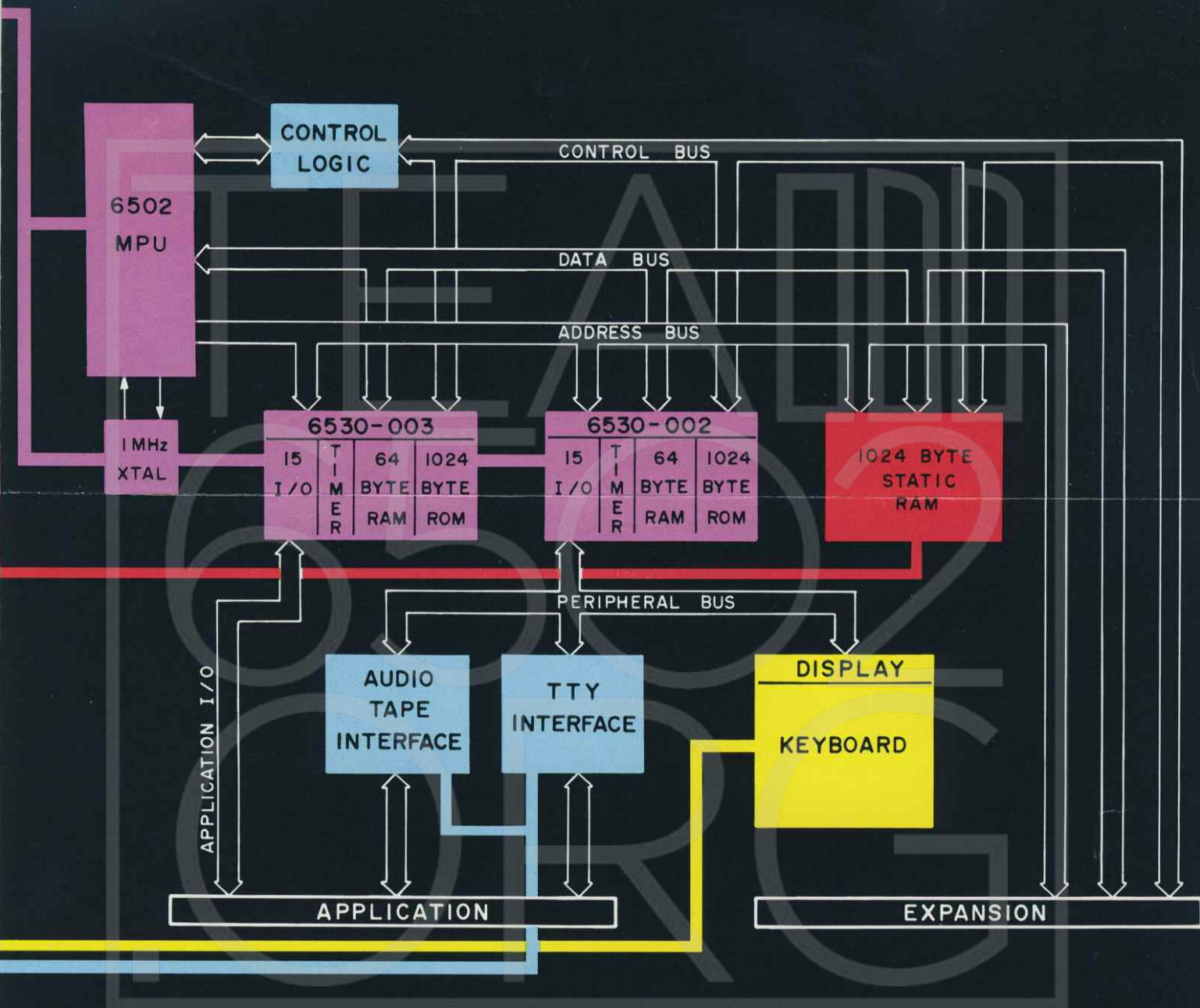
- Interface & Control
  - Audio Cassette
  - TTY

- Keyboard/Display

## KIM-1

- FOR EDUCATORS AND STUDENTS
- FOR EXPERIMENTERS AND HOBBYISTS
- FOR SYSTEM PROTOTYPING
- FOR INSTRUMENTATION AND TEST SYSTEMS
- THE MICROCOMPUTER SYSTEM FOR YOU!





# KIM-1

## ONE LOW PRICE INCLUDES

- HARDWARE - KIM-1 MODULE
- SOFTWARE - MONITOR PROGRAMS  
(STORED IN 2048 ROM BYTES)
- DOCUMENTATION-
  - KIM-1 USER MANUAL
  - KIM-1 SYSTEM SCHEMATIC (WALL SIZE)
  - 6500 HARDWARE MANUAL
  - 6500 PROGRAMMING MANUAL
  - 6500 PROGRAMMERS REFERENCE CARD



## KIM-1 THE NOW MICROCOMPUTER!

KIM-1 is a complete microcomputer on a single printed circuit module. It comes to you completely assembled and tested at a price far less than most kits. Just connect your power supply (+ 5V at 1.2A, + 12V at 0.1A) and KIM-1 is operational in a matter of minutes. Need technical details? Refer to the complete User Manual, Hardware Manual, Programming Manual, or wall size Schematic included with your KIM-1.

## KIM-1 THE LATEST IN TECHNOLOGY!

KIM-1 includes the MOS Technology, Inc. 6502 microprocessor array. The 6502 is an 8 bit MPU with a powerful instruction set, 13 addressing modes, multiple interrupts, and a full 65K address range (16 bits).

Also included in KIM-1 are two MCS 6530 Arrays (each with 1024 bytes of ROM, 64 bytes of RAM, 15 I/O pins, and an interval timer). The KIM-1 monitor and operating programs are stored permanently in the 2048 ROM bytes provided.

## KIM-1 YOUR CHOICE OF PERIPHERALS

Use the KIM-1 keyboard and bright 6-digit LED display to enter programs, read memory contents, execute programs, and control system operation.

Next, add a low-cost audio cassette unit to your KIM-1 system to provide permanent bulk storage for programs and data (no need to blow expensive PROMS!). All required interface circuits for recording and playback of audio cassettes are included in the KIM-1 system.

Have access to a TTY (or equivalent)? Just connect four wires to add the TTY to the KIM-1 system. All interface circuits are included on the KIM-1 module. Now you can control the system from the TTY keyboard, produce hard copy printout, and punch or read paper tapes.

## KIM-1 TO SOLVE YOUR APPLICATION PROBLEM

Store your programs in the 1024 byte RAM included on KIM-1. Debugging your program is simplified using the single step feature to trace program execution.

Use the 15 I/O pins provided to control your specific application circuits. Each I/O pin may be defined by the program to be either an input or an output pin.

Use the interval timer included in the KIM-1 system to generate fixed or variable time delays under program control.

## KIM-1 A SYSTEM TO GROW WITH

Need more memory or I/O for more complex applications? KIM-1 is only the starting point. Expansion of the system to include up to 65K of memory is simplified since all required address bus, data bus, and control signals are available at one of the KIM-1 connectors. Memory may be of any type you choose (ROM, RAM, PROM; static or dynamic; high speed or low speed). I/O expansion is just as easy since every I/O port is addressed as if it were a normal memory location.

## USE THIS FORM TO ORDER YOUR KIM-1 TODAY!

Please ship me \_\_\_\_\_ KIM-1 Systems at a cost of \$245.00 per system plus \$4.50 for shipping, handling and insurance (U.S. and Canada only) PA. residents add 6% sales tax.

(International sales subject to U.S. Commodity Control Regulations.  
Add \$20.00 per system for shipping and handling of international orders.)

My check or money order is enclosed for \$ \_\_\_\_\_

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