



Keymate C-100 Microcomputer

Product Bulletin

The OSI Keymate C-100 is a very reliable, self-contained microcomputer system designed for a variety of small office and home computer applications. The C-100's versatile and cost-effective design is based on years of innovative microcomputer design and high volume manufacturing experience.

The standard system includes the popular 6502 microprocessor, 48K bytes of random access memory (RAM), one 80K byte mini floppy drive, compact typewriter-style keyboard, acoustic modem, and a number of input/output ports that allow a variety of optional serial and video display devices to be easily connected to the system. The C-100 video and graphics capability includes full 16-color support, and 256 x 512 bit-mapped, high-resolution graphics that establish new standards for microcomputers.

A wide range of standard software is provided with the C-100 including OSI's versatile OS-65D Disk Operating System, BASIC programming language, and a variety of application software packages. Typical applications supported include record keeping, accounting, financial planning, computation, word processing, education and home entertainment.

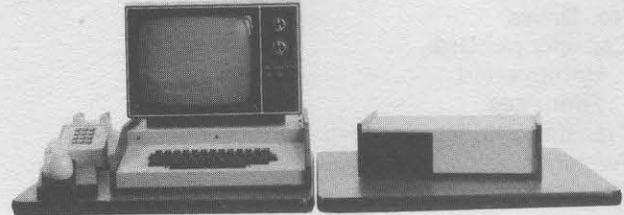
A number of options are available including black and white or color video monitor, a second 80K byte mini floppy, serial matrix or word processing printer, UCSD[®] Pascal and FORTRAN, and a variety of optional applications and home entertainment software packages.

The C-100 is housed in a compact, table top cabinet and can be used with a closed circuit TV video monitor, a standard color TV, an OSI black and white monitor, or an OSI color monitor.

This reliable, well designed hardware and software configuration, combined with the available options, provide a level of versatility and performance seldom achieved in microcomputers of comparable size and price, designed for small office and home computer applications.

Standard Features:

- 6502 CPU (2MHz clock rate)
- 48K byte RAM
- Compact, typewriter-style keyboard
- Single 80K byte mini floppy drive
- Acoustic modem
- Standard I/O ports, including:
 - Two RS-232 connectors
 - Two Joystick inputs



- Two numeric keypad inputs
- Three 16-pin connectors
- Tone generator output (200 Hz to 49KHz)
- AC control output (AC Control Unit optional)
- Video output
- DAC output

Standard Software Included:

- OS-65D Operating System
- MDMS Management System
- Planner Plus Financial Planning System
- Plot BASIC
- WP3-2 Word Processing software
- HIRES graphics software
- DAC 1 musical software
- Game Disk
- Sargon[®] Chess Game

Documentation Provided:

- Introductory Manual
- User's Manual
- Servicing Data
- BASIC Reference Manual
- 65D Reference Manual
- 65V Primer (introduction to assembler programming)
- MDMS Reference Manual
- MDMS Planner Plus Manual
- Plot BASIC Manual
- DAC 1 Manual

NOTE: Hardware availability to be determined by FCC certification.

C-100 Specifications

System Operating Characteristics

CPU

Processor types & clock rates 6502 at 2MHz
 Type memory Static RAM
 Memory capacity 48K bytes
 No. serial ports 2

Mini Floppy Drives

No. Drives (1std)
 Capacity per Disk,
 Unformatted 150K bytes
 Formatted 80K bytes
 Transfer rate, latency (avg.) 125K bits/ sec
 Average access time 100 msec
 No. Tracks 40

System Specifications

Environmental

Temperature 60° to 75°F
 (15.5 to 23.9°C)

Humidity (non-condensing) 30% to 80%

Power 115 VAC, 60 Hz

Physical Dimensions 4¾" H x 18.0" D x
 16¼" W

Mini Floppy Drives 9.0" H x 10½" D x
 14½" W

(Two drives stacked)

Weight

CPU 15.0 lbs. (6.5 Kg)
 Mini Floppy Drives** 8.5 lbs. (3.7 Kg)

**NOTE: Mini Floppy weight is for one drive, double weight for two drives; CPU and mini floppy weights are approximate.

C-100 System Configurations:

Description: 5¼" floppy based, 48K RAM video desk top system with acoustic modem

Replaces: C4P MF

Disk: One 5¼" floppy disk drive, SS, SD 80K (formatted) storage per drive

Boards:

CA-31	505B	6502 CPU (2Mhz)
CA-41	542B	53 Key Keyboard
CA-40	540B1	Color Video Board
CA-38	541	Hi res graphics/24K memory (2Mhz) Board
CM-09	527	24K memory (2Mhz) Board

Rear Panel:

1 phono	Video
2 phono	Sound (tone generator and DAC)
1 phono	AC remote control
2 phono	Unused
4 DB9	For joysticks and numeric key pads
1 DB25	Serial port - printer
1 DB25	Serial port - modem
3 16 pin connectors	OSI Head end cards
1 pot	Color adjust

Software: OS-65D V3.3 Tutorial Set
 High Resolution Graphics package
 WP3 Word Processor
 MDMS Planner Plus financial planning
 Plot BASIC more graphics
 DAC I musical package
 Sargon® Chess Game
 Game Disk

Expansion: Second disk drive
 CA-21 48 line parallel I/O card
 CA-22 High speed analog I/O module
 CA-23 PROM programmer
 CA-24 Solderless prototyping board

Model Number: C-100/0 - 115 VAC, 60 Hz power.

Available Through:

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