

**Cassette Interface**

Programs can be saved on a domestic cassette recorder in two ways: one giving maximum speed; the other increasing recording reliability

RGB Output

Provides separate signals for the red, green and blue components of the colour video signal. This drives a high-quality colour monitor

Television Output

This is joined to the aerial socket on a television set

Video Output

For use with a monochrome monitor

RS232 Port

A high speed serial interface for use with a number of peripherals

Modulator

This takes the colour signal from the video controller and converts it to an output suitable for a television set

Quartz Crystal

A pulsating crystal that forms the heart of the clock, synchronising all operations

Microprocessor

The MOS Technology 6502 carries out all the processing

User Memory

The BBC Model B contains 32K of RAM for storing programs, data, and graphic displays

ULA

This specially-designed Uncommitted Logic Array does the work of dozens of individual components found in other computers. The piece of metal mounted on top acts as a heatsink to prevent the chip from overheating

ROM

These two ROM chips provide the BASIC programming language and the operating system, which is the set of programs needed by the computer to manage all its internal functions

The Tube

A special interface designed by Acorn to enable the BBC Model B to work with alternative microprocessors

BBC MODEL B**PRICE**

£399

SIZE

409 × 358 × 78mm

WEIGHT

3700g

CPU

6502A

CLOCK SPEED

2 MHz

MEMORY

32 Kbytes of RAM

32 Kbytes of ROM including BASIC and sophisticated operating system

VIDEO DISPLAY

8 different graphics modes give a wide choice of displays. Largest text area: 32 lines of 80 characters. Highest resolution graphics: 640×256 pixels. Up to 16 colours at a lower resolution

INTERFACES

Television, monochrome and colour monitors, disk, printer, analogue input, user port, the Tube (for connecting additional microprocessors)

LANGUAGE SUPPLIED

BASIC

OTHER LANGUAGES AVAILABLE

LISP, FORTH, LOGO

COMES WITH

Leads for cassette deck and television. User Guide. 'Welcome' demonstration cassette and brochure

KEYBOARD

Typewriter-style with 74 moving keys, including 10 programmable function keys

DOCUMENTATION

The BBC Microcomputer User Guide shows all the signs of being written by highly trained minds, who seem to assume that their readers have already mastered computers.

Several large chapters are devoted to specialised usage of the system programs, which control the sophisticated graphics, sound and Input/Output features of the machine.

A detailed and very complete explanation of the operation and programming of the 6502 microprocessor is included, and unlike many such sections in other manuals, is not merely a copy of the original Rockwell documentation