The Enterprise Colour Monitor

The Enterprise colour monitor, model ECM1, is one of a range of peripherals for use with both the Enterprise 64K and 128K computers. It has a high quality display making it ideal for the 84 column text modes as well as high resolution colour graphics.*

The monitor features RGB analogue inputs and it has its own mono sound speaker. A single lead supplied with the Enterprise is used to connect the monitor to the computer. A unique 'switch-through' facility allows the easy connection of a stereo amplifier via a DIN socket at the rear of the monitor. Controls are provided for volume and brightness and there is an illuminated on/off switch.

*The 50 line text and 512 line graphics 'interlace' modes on the Enterprise computer require a special long persistence monitor. These are not suitable for general use, particularly when screen animation is involved. This monitor is suitable for up to 84 x 28 text and 672 x 256 graphics modes.

Brief Technical Specification

Screen size	: 14″ diagonal
Tube resolution (pixels)	: 653(H) x 585(V).
Dot pitch	: 0.43 mm.
Bandwidth	: 14 Mhz.
Colours	: Up to 256 when used with the Enterprise computer.
Mains supply	: 200/240 volts 50Hz.
Inputs via DIN socket	: RGB analogue + sync.
	: Stereo sound to internal mono. amplifier.
Outputs via DIN socket	: Stereo sound to external hi-fi system.
Supplied accessories	: Connecting lead to computer.
	: Operator's manual.

The Enterprise Dot Matrix Printer

The Enterprise dot matrix printer, model EP80+, can be used with both the Enterprise 64K and 128K computers. It is colour matched and its styling compliments the computer. The high reliability dot matrix mechanism allows the printing of high resolution graphics as well as the printing of text.

The printer interfaces through the computer via the supplied parallel cable, and features a 2K internal buffer. It has the ability to 'download' user defined characters, and the resident character set includes normal and italic fonts, as well as semi-graphic characters. Emphasized, enlarged and condensed characters are possible as are superscripts, subscripts and underlining.

Brief Technical Specification

Printing method	: Serial impact dot matrix.
Printing format	: Alphanumeric, 7 x 8 in 8 x 9 dot matrix field.
	: Character graphics, 7 x 8 dot matrix.
	: Bit image graphic, vertical 8 dots parallel, horizontal 640 dots serial per line.
Character set	: 228 ASCII characters plus 'downloadable' character set.
Printing speed	: 100 CPS (nominal).
Characters/line	: Normal 80. Enlarged 40. Condensed 142.
Paper feed	: Adjustable sprocket and friction feed.
Paper type	: Fanfold or single sheet.
Mains supply	: 240 volts 50Hz or 220 volts 50Hz.
Supplied accessories	: Connecting lead to computer.
	: Operator's manual.

The Enterprise Joystick Interface

The Enterprise joystick interface is a moulded interface unit allowing the user to connect any standard 9 pin D ring interface joystick (for example, Kempston Competition Pro, Quickshot II etc) with the Enterprise 128K or 64K. You simply plug the interface into one of the control ports located at the back of the Enterprise. Up to two joystick interfaces can be used at any one time.

The Enterprise Disk Controller

A disk controller will be launched in the near future allowing the Enterprise to interface with 5¼″ and 3½″ popular disk drives.

Enterprise 128 Technical Specification

PROCESSOR	: Z80, 4MHz
RAM	: 128K expandable to 3,900K
USABLE RAM	: 113K
ROM	: 48K (32K internal + 16K cartridge)

Video:—
Using Custom Video Processor (NICK)

RESOLUTION (MAX) : 672 x 256 (672 x 512 using interlace)
84 x 28 characters
(84 x 56 using interlace)

COLOURS : Up to 256 depending on video mode

OUTPUTS TO : Colour TV (PAL, Channel E36)
: Monochrome Monitor
: RGB (Linear) Monitor

IS-BASIC provides comprehensive graphics commands including PLOT, ELLIPSE and PAINT.

Sound:—
Using Custom Sound Chip (DAVE)

VOICES : 4 (3 tone and 1 noise)
OCTAVES : 8
Full stereo output for each voice.

OUTPUTS TO : INTERNAL SPEAKER (MONO)
: STEREO HEADPHONES
: HI-FI SYSTEM
(VIA MONITOR SOCKET)

IS-BASIC has facilities for defining pitch and amplitude envelopes and provides full control of the sound functions.

Interfaces:—
: Monitor (RGB, monochrome, stereo sound)
: Printer (parallel "Centronics" style)
: Serial/Network
: Cassette (for 2 recorders)
: Control 1/2 (for joysticks, mice etc.)
: Expansion port (disc drives, RAM etc.)
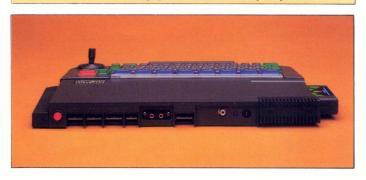: ROM bay (language cartridges up to 64K)

Keyboard:—
With 69 full travel keys and joystick for cursor control, the keyboard complies with the ISO standard layout. The 8 "user definable" keys can be programmed at 2 levels (normal and shift) to give 16 defined functions.

BASIC and Operating System:—
IS-BASIC is based on the ANSI standard and is fully structured. BASIC programs run on average 25% faster than on the Enterprise 64. The Enterprise eXpandable Operating System (EXOS) fully supports memory expansion up to 3900K. The facility to have multiple BASIC programs present in memory and to "chain" these programs from each other, passing parameters as required, gets over the usual restrictions of running BASIC on home computers with extended memory.

Word Processor:—
The built in word processor allows text moving, justification and formatting. The "HELP" pages make it extremely easy to use.

For additional information see The Enterprise 64K brochure

Dealer stamp:

Enterprise Computers reserve the right to change product specifications at any time without prior notice.

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