Genie I

One giant step for micro-computer systems!

Complete
The **New** Genie System is supplied ready to go, with all necessary leads and reference manuals, even a tape of BASIC programs is supplied.

Extended BASIC
The Microsoft extended BASIC has many powerful features, including double precision variables, scientific functions, formatted printing, extended editing sub-commands, automatic line numbering, multiple dimensional arrays, complete string manipulation, direct access to graphics and machine language sub-routines.

Facilities
The EG3003 contains a key typewriter style keyboard with 10 key rollover, a dual cassette interface, internal cassette unit with level control and VU meter, power supply, 625 line TV interface, expansion connector, and video output as standard. In a single attractive case, making the machine a truly versatile package.

Sound
The Genie I comes complete with its own internal sound unit which is fully programmable. The sound unit has its own independent level control.

Machine Code
The Genie I contains, in addition to the extended BASIC, a machine language monitor: This monitor enables the writing and execution of machine code programs direct from the Genie keyboard, no extra softwares required.
Facilities include: Modify registers, modify memory, display memory, execute (with breakpoints), and return to BASIC.

Super BASIC
The Genie I has still more BASIC commands in its 1.5K ROM extension – these commands include RENUMBER and SCREEN PRINT.

Lower Case
The Genie I has full upper and lower case, with a selectable flashing cursor and auto repeat on all keys.

Genie I

Specification

Proven

The Genie I uses proven technology throughout providing excellent reliability and value for money. The system was developed after a thorough study of the shortcomings of other systems, and offers a complete, expandable system.

Fully Supported

The Microsoft level II BASIC contained in 13.5K Read only Memory (ROM) is developed for that used in the TRS-80 level II, thus a very wide range of applications programs is available from many sources. Your Genie dealer has available a wide range of fully supported software from Molimerx Ltd. to complement the versatility of the EG3003.

Documentation

3 manuals, a user's guide, beginners' programming manual and BASIC reference manual are supplied with the machine. A BASIC textbook for beginners, technical manual and machine language programming guide are available.

Memory

The EG3003 has 16K of internal RAM expandable externally to 48K. 13.5K of ROM contains the Microsoft BASIC.

Cassette

Interfaces are included for both the internal and an external cassette unit. Data transfer at 500 bits per second.

CPU

CPU The Z80 microprocessor is used operating at 1.79 MHz.

Display Format

16 lines by 32 or 64 character switchable, Pixel Graphics of 128 by 48 resolution can be fully mixed with text. Graphics are generated from BASIC using the SET and RESET commands.

Dimensions

Power Supply	**240v 50 Hz. 25W**	**External Cassette Input**	**1v p-p**
Dimensions	**540W × 110H × 370D**	**External Cassette Output**	**0.3v p-p**
Weight	**10 Kg Packed**	**UHF Output**	**625 line 50 Hz UHF**
Video Output	**2v p-p negative sync**		

Extended BASIC Features

Commands

AUTO	CLEAR	CLEAR n
CLOAD	CLOAD?	CONT
CSAVE	DELETE	EDIT
LIST	NEW	RUN
SYSTEM	TROFF	TRON

Input/Output Statements

PRINT	PRINT	PRINT USING
TAB	INPUT	PRINT #-1
DATA	READ	INPUT#-1
RESTORE	INP	OUT

Program Statements

DEFDBL	DEFINT	DEFSNG
DEFSTR	DIM	LET
END	STOP	GOTO
GOSUB	RETURN	ON . . . GOTO
FOR	NEXT	ON . . . GOSUB
RESUME	ERROR	ON ERROR GOTO
RANDOM	REM	IF . . . THEN . . . ELSE . . .
CLS	RESET	SET
POKE	PEEK	

Basic Commands and Statements

String Functions

ASC	CHR$	FRE
INKEY$	LEN	LEFT$
MID$	RIGHT$	STRS$
STRING$	VAL	

Arithmetic Functions

ABS	ATN	CDBL
CINT	COS	CSNG
EXP	FIX	INT
LOG	RND	SIN
SGN	SQR	TAN

Special Functions

ERL	ERR	MEM
POINT	POS	USR
VARPTR		

Operators

+	-	.
/	[	⟨
⟩	=	⟨=
=⟨	⟩=	=⟩
⟨⟩	⟩⟨	NOT
AND	OR	

Super BASIC Functions

Basic Commands	**Machine Language Monitor**
RENUMBER	ENTER ROUTINE
SCREEN PRINT	DISPLAY MEMORY
CURSOR FLASH	MODIFY REGISTERS
REPEAT KEY	MODIFY MEMORY
	START EXECUTION
	EXIT TO BASIC

Block Diagram

Your local dealer:

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