

MicroByte

Software for the 2650

BINBUG

BINBUG is a monitor program supplied in a 2708 EPROM which is designed to replace the PIPBUG Monitor ROM.

BINBUG is available in three versions:

BINBUG 3.6 300 Baud Binary format tape routines.
300 Baud Keyboard input.
DG640 memory mapped VDU output.

BINBUG 4.4 ACOS tape system compatible instruction branches.
300 Baud Keyboard input.
Advanced Video driver routines for the DG640 memory mapped VDU which allow fast or partial scrolling of the screen, or operation in paging mode.

BINBUG 5.2 ACOS tape system compatible instruction branches.
1200 Baud serial Terminal I/O routines.

BINBUG is compatible with PIPBUG in as much as the following major subroutine entry points are the same.

0		Cold start
1D	EBUG	Error re-entry
22	MBUG	Normal re-entry
5B	LINE	Input line into buffer
A4	CRLF	Carriage return Linefeed
286	CHIN	Input character from keyboard
2B4	COU	Output character to terminal display
2DB	GNUM	Get next hexadecimal number from buffer

BINBUG supports all of the original PIPEUG instructions.

A	ACCESS and ALTER memory
B	Set BREAKPOINT
C	CLEAR breakpoint
D	DUMP to tape (format depends on version)
G	GOTO program and execute
L	LOAD from tape in dump format
S	SET and display registers

BINBUG 4.4 and BINBUG 5.2 also contain single letter DOS calls which access a disc operating system located at 6800.

W	WARM start DOS (6800)
K	COLD start DOS (6803)

The Breakpoint function has been enhanced, and now displays the contents of all the 2650's registers when the breakpoint is executed. Breakpoints may be cleared after a reset.

Monitor output may be directed to an alternate output routine. The command set may be extended through a vector contained in RAM.

REQUIREMENTS

EPROM space 0000 - 03FF
Scratch RAM 0400 - 043F

VDU VERSIONS

Memory mapped VDU similar to DG640 addressed at 7800 - 7FFF

ACOS VERSIONS

ACOS EPROM 6000 - 63FF
and ACOS hardware.

COST

EPROM including manual with source listing.	\$30
User supplied 2708 EPROM... less \$12	\$18
Post and packing	\$ 2

AVAILABILITY

Counter sales - Sydney	APPLIED TECHNOLOGY. 1a Pattison Ave., Waitara. 2077
- Melbourne	COTTAGE COMPUTERS 386 Queens Pde., North Fitzroy. 3068
Mail order sales	MicroByte, P.O. BOX 274, Belconnen. 2616