

# ACT SIRIUS1

PROGRAMMERS TOOLKIT - No. 600





**The ACT SIRIUS 1 Computer is an excellent development vehicle. The Programmers Tool Kit provides a comprehensive set of utility software to help the programmer maximise the capabilities of the ACT SIRIUS 1.**

## Operating System Utilities

Operating System Utilities are available to support the MS-DOS operating system. They include an assembler, cross reference, linker and library. In addition a CP/M-86 emulator enables CP/M-86 programs to be run in the MS-DOS environment.

### MACRO-86

A powerful assembler for 8086/8088 based computers. It includes many features usually found only in large computer assemblers. Macro assembly, source inclusion, conditional assembly, record and structure declarations, and a variety of other directives provide excellent tools for 8086/8088 assembly programming.

### MS-CREF

A cross reference utility which can be used in conjunction with MACRO-86.

### MS-LINK

This relocatable linker is designed to link together separately produced modules of 8086/8088 object code generated from MACRO-86 or any of the MicroSoft compilers. As it combines modules, MS-LINK resolves external references with the ability to search multiple library files.

### MS-LIB

Creates and modifies library files used with the MS-LINK utility. MS-LIB can add, delete or extract modules from a library. It provides the

means for creating a general library for use by many programs, and for the structured development of a single program.

### DEBUG

A debugging program used to provide a controlled testing environment for binary and executable object files.

## Syselect Configuration Utilities

The ACT SIRIUS 1 computer was designed for optimum system flexibility. Many useful facilities normally only provided by hardware or software can be accessed via standard ACT SIRIUS 1 utilities.

ACT SIRIUS 1 can be configured to suit a secretary, an accountant or a financial planner in languages including English, German, French and Italian.

### KEYGEN

This keyboard generation utility is used to define: the characteristics of individual keys on the keyboard; their codes; whether they are affected by CAPS LOCK or SHIFT LOCK; whether they are auto repeat when the key is held down; and whether the codes are sent directly to the display.

### EFONT

A font editor used to define or modify the character set or the shapes of symbols displayed on the screen.

System options may be selected as part of a system generation process. The following options are available for the system builder:

Keyboard Table: A number of tables are available, or alternatively they can be constructed using KEYGEN.

**Character Set:** Character sets may contain either 128 or 256 characters. Two may be configured. Character sets can be selected, or built using EFONT.

**System:** MS-DOS can be configured with or without the Winchester option.

**Default Printer:** Parallel or serial. Choosing a serial printer requires the baud rate to be selected.

**Serial Ports:** Baud rate 50-4800, stop bits, and parity of the two serial ports may be specified.

**Logo:** A unique set of graphics characters may be defined to form a logo. This can be displayed by applications.

**Banner:** The banner is displayed at load time. It identifies the system.

## Application Development Utilities

Three powerful utilities are provided as aids to the application development programmer.

### PMATE-86

A full screen, expandable editing system for the creation and maintenance of text files.

### FABS/86

An efficient and effective means of organising data so as to minimise search time on retrieval. It is designed to maintain key files for fast data retrieval in large data files.

### AUTOSORT/86

A comprehensive sort utility which can be used stand-alone or called from application programs. It will sort even the largest of data files with incredible speed.

## ACT (Sirius) Limited

Shenstone House, Dudley Road, Halesowen, West Midlands B63 3NT Telephone 021-501 2284 Telex 337007

The following are registered trade marks.

CP/M-86, CP/M, MS-DOS, XENIX, Z-80(R), MS-COBOL, MS-PASCAL, MS-FORTRAN, GW-BASIC, CBASIC-86, LEVEL 2 COBOL, PMATE-86, MS-LINK, MS-LIB, MACRO-86, MS-CREF, FABS-86, AUTOSORT-86, EFONT, OMNINET