



ACT sirius1

PROGRAMMERS TOOLKIT — No. 600





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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. Characters 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.

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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