SW1811 CP/M*
for RC855

● **CONTROL PROGRAM/MICROCOMPUTERS**

GENERAL

CP/M is a general-purpose control program especially designed for microcomputers. CP/M has been existing since 1975 and has become known as the most widely used operating system for 8-bit microcomputers.

On the RC855 work station the CP/M serves as the basis for running programming languages, word-processing software and other application packages. Also the terminal emulators available with the RC855 work station are run by means of CP/M.

The CP/M facilities include dynamic file management, fast assembler, general-purpose editor and advanced debugger. High-level languages as well as application software are available from RC Computer as well as from other suppliers.

COMPONENTS

BDOS – Basic Disc Operating System – supports a named file system. System calls enable an application program to create, rename, delete, read and write on any active disc drive with both sequential and relative-record random access to data.

CCP – Console Command Program – interacts wit the user by means of the built-in commands: DIR, TYPE, REN, ERA, SAVE and USER. In addition the CCP allows CP/M system programs and user programs to be loaded and executed as if they were built-in commands.

ASM – Assembler – is the fast CP/M assembler using standard Intel memonics and pseudo operations with free-format input, assembly and assembly-line expressions.

ED – Editor – is the CP/M text editor which allows creation and modification of ASCII files using extensive context editing commands.

DDT – Dynamic Debugging Tool – is the powerful CP/M facility for program debugging; it contains an integral assembler/deassembler module and lets users patch and display memory either in assembler memonics or in hexadecimal form.

PIP – Peripheral Interchange Program – provides for file transfer between devices and diskette files.

TRANSFER – provides transfer of files between diskettes on system with only one disc drive.

FORMAT – a utility program for formatting diskettes.

BACKUP – a utility program for backing-up diskettes.

ASSIGN – provides the facility of accessing single-sided, single-density diskettes compatible to IBM standard. (On RC855 the CP/M normally operates on double-sided, double-density diskettes).

SUBMIT – a utility which allows the user to gather a group of CP/M commands in a file and then 'submit' them in one action to the operating system.

STAT – a utility for altering and displaying the status of I/O devices and files.

LOAD – a utility for converting 'hex' format to absolute binary form which can be directly loaded and executed in the CP/M environment.

SYSGEN, GETBIOS, WRTBIOS – utilities for creation of new CP/M system diskettes from existing diskettes for back-up purposes.

REQUIREMENTS
The CP/M software package requires an RC855 work station with minimum one flexible disc drive.

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