

Software Product Description

DIGITAL CLASSIFIED SOFTWARE

**PRODUCT NAME: PC100 CP/M®-86/80 Operating System,
Version 1.0**

SPD 50.4.0

DESCRIPTION:

PC100 CP/M-86/80 is a unique implementation of the CP/M-80 and CP/M-86 Operating Systems developed by Digital Research, Inc. (DRI). PC100 CP/M-86/80 is designed to take advantage of the dual processor architecture of the PC100 (RAINBOW 100). CP/M-86, Version 1.1 (DRI), runs on the Intel 8088 microprocessor in the PC100. CP/M-80, Version 2.2 (DRI), is emulated by PC100 CP/M-86/80 on the Zilog Z80A microprocessor, also in the PC100. The resulting PC100 CP/M-86/80 Operating System runs both CP/M-80 and CP/M-86 applications.

Using a floppy disk storage system, PC100 CP/M-86/80 provides program construction, storage and editing, along with assembly and program checkout facilities. PC100 CP/M-86/80 includes the functionality of CP/M-86 with the following enhancements:

- RED — screen oriented text editor
- MAINT — screen oriented file maintenance program
- COPY — screen oriented copy disk program

Components:

Basic I/O System (BIOS), (hardware dependent) — Provides operations necessary to access the diskette drives and standard peripherals.

Basic Disk Operating System (BDOS) — Provides disk management by controlling one or more diskette drives that contain independent file directories. The BDOS implements disk allocation strategies that provide fully dynamic file construction, while minimizing head movement across the diskette during the access. Files can contain any number of records, not exceeding the size of any single diskette. In a standard CP/M system each diskette can contain up to 128 files.

Console Command Processor (CCP) — Is an interface between the user's console and the remainder of the PC100 CP/M-86/80 system. The CCP reads the console device and processes commands to:

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- Erase files
- Rename files
- List the file directory
- Print the contents of files
- Control the operation of transient programs such as assemblers, editors, and debuggers
- Run the utilities for screen editing, fast copy of diskettes, and file maintenance.

Transient Program Area (TPA) — Programs loaded from the diskette under command of the CCP are held in a part of the RAM memory called TPA. For example, the TPA holds the CP/M-86/80 text editor machine code and data areas during program editing. Programs created under CP/M-86/80 can be checked out by loading and executing these programs in the TPA.

File Maintenance Utility (MAINT) — A screen oriented program that displays files in alphabetical order. The user can list, print, delete or rename files.

Screen Editor (RED) — A screen oriented editor

Copy — A menu-driven program to allow users to copy diskettes.

MINIMUM HARDWARE REQUIRED:

Any valid PC100 Personal Computer configuration with:

- PC100A CPU and dual drive floppy diskette
- VR201-A Monitor
- PC1K1-AA Country Kit with keyboard

OPTIONAL HARDWARE:

RX50-XA Dual drive mini-floppy disk expansion unit with cables for a total of four drives and 1.56M bytes of storage capacity with:

PC1XX-AA 64K random access memory or
PC1XX-AB 192K random access memory

PREREQUISITE SOFTWARE:

None

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SOFTWARE INSTALLATION:**CUSTOMER INSTALLED**

PC100 CP/M-86/80 Operating System is a software product engineered to be installed by the customer.

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SUPPORT CATEGORY:

DIGITAL SUPPORTED

Please refer to the Limited Warranty below.

DCS CLASSIFICATION:

DIGITAL Developed

ORDERING INFORMATION:

PC100 CP/M-86-80 Operating System available only on RX50 Double Density 5¼" Diskette distribution media.

QV012-A3 Single-use license, binaries, documentation, support services

ADDITIONAL SERVICES:

Additional Services during the First 90 Days

You may receive, at no additional charge, Telephone Advisory Service by the DIGITAL Telephone Support Center, and as made available by DIGITAL, Software and Documentation Updates and a DIGITAL Services Newsletter for a ninety (90) day period commencing either from the date of purchase or date of delivery from DIGITAL.

For more information concerning how to obtain your Additional Services or for other questions concerning your LIMITED WARRANTY, please refer to the "Keys to DIGITAL Service."

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- System Support Agreements

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