



# Software Product Description

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**PRODUCT NAME: CAPS-11, Version 1**

**SPD 11.1.2**

## **DESCRIPTION:**

CAPS-11 (Cassette Programming System-11) is a program development system for the PDP-11 using magnetic tape cassettes as a file-structured medium. The system supplies an operating system environment complete with a file system. Data is stored on cassettes in standard RT-11/OS-8 format to ensure compatible data transfers between these DIGITAL operating systems which use the cassette medium.

The software includes a resident monitor which does all console terminal, line printer, and cassette I/O. The system allows both block-oriented cassette I/O and paper tape software I/O executive (IOX) compatibility. All devices are interrupt driven, and the user has access to all monitor I/O routines. Also included are a keyboard listener and command string interpreter to allow simple commands to be typed at the console terminal and be passed in a usable form to the system programs.

The system programs include an editor for the creation or modification of cassette source files through text manipulation commands; a relocating assembler featuring conditional assembly and program sectioning directives; a linker which relocates and assigns absolute addresses for all assembled subprograms in a specified job; an on-line debugger to facilitate error detection and testing; and a PIP file utility program which allows the user to copy, rename, and list cassette files. PIP also supports ASCII or binary-level transfers between high-speed paper tape and cassette.

## **MINIMUM HARDWARE REQUIRED:**

Any PDP-11 Processor (except LSI-11 based products) with:

- KY11-LB Programmer's console (required only for the PDP-11/04 and PDP-11/34)
- at least 8K words of memory
- console terminal
- TA11/TU60 dual cassette drive and control

## **OPTIONAL HARDWARE:**

- additional memory to a system total of 28K words
- LP11 Line Printer
- PC11 (as supported by PIP) Paper Tape Reader/punch

## **PREREQUISITE SOFTWARE:**

None

## **OPTIONAL SOFTWARE:**

None

## **TRAINING CREDITS:**

None

## **SUPPORT CATEGORY:**

C — Software Support will be provided as listed in the Software Support Categories Addendum to this SPD.

## **UPDATE POLICY:**

No updates are planned for this product.

## **ORDERING INFORMATION:**

This software is furnished under a license for use on a single CPU and can be copied and modified (with inclusion of DIGITAL's copyright notice) only for use on such CPU, except as may otherwise be provided in writing by DIGITAL.

Source and/or listing options are only available after the purchase of at least one binary license and after a source license agreement is in effect.

The following key (N, R, Z) represents the distribution media for the product and must be specified at the end of the "Q" number, i.e., QJ180-CN = binaries on cassette.

- N = Cassette
- R = Microfiche
- Z = No hardware dependency

### *Standard Options*

QJ180 -C— Single-use license, binaries, documentation, no support services (media: N)

QJ180 -D— Single-use license only (media: Z)

### *Source/Listing Options*

QJ180 -E— All sources (media: N)

QJ180 -F— Listings (media: R)

### *Miscellaneous Options*

QJ180 -G— Pre-delivery kit (media: Z)

## **ADDITIONAL SERVICES:**

None

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