digital

Software Product Description

DESCRIPTION:

FOCAL (FOrmula CALculator) is an easily learned high-level programming language. FOCAL is an ideal language for students, managers, and technicians who do not have time to learn complex languages but need problem solving capabilities. FOCAL/MPS is a modified version of FOCAL-8 that runs on the Microprocessor Series family of modules. FOCAL/MPS includes a debugging and executive program. In a 12K system, approximately 2.6K bytes are available for user text, variables and push-down list.

The following standard functions are available to FOCAL/MPS users:

> FSIN -- sine function
> FCOS -- cosine function
> FEXP -- exponential function
> FLOG -- natural logarithm function
> FATN -- arctangent function
> FSQT -- square root function
> FABS -- absolute value function
> FSGN -- sign part function
> FITR -- integer part function
> FRAN -- random number function

The user can add up to five additional function definitions.

MINIMUM HARDWARE REQUIRED:

KMP02-A Backplane
M7341 CPU Module
LT33-D Teletypewriter with low-speed reader/punch
2 M7344-YC 4K RAM Modules
and either:
   1. M7345-YA 4K ROM Module with 16 PROMS
      M7346 External Event Detection Module and
      auto-start switch
-OR-
   2. KC341-B Monitor/Control Panel
      M7344-YC 4K RAM Module

OPTIONAL HARDWARE SUPPORTED:

M7344-YC 4K RAM Module (total of 16K words of memory)
M7347 Reader-Run Module

PREREQUISITE SOFTWARE:

None

OPTIONAL SOFTWARE SUPPORTED:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

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

UPDATE POLICY:

During the first year, Update Policy shall be in accordance with the Software Support Categories Addendum to this SPD. After the first year, updates, if any, will be made available according to then prevailing DIGITAL policies.

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 full-support binary license and after a source license agreement is in effect.

The following key (B, R, S, Z) represents the distribution media for the product and must be specified at the end of the "Q" number. i.e., QY501-AB = binaries on paper tape.

B = Paper Tape
R = Microfiche
S = ROM Chip
Z = No hardware dependency

Standard Options

QY501 -A—   Single-use license, binaries, documentation, support services (media: B, S)

Source/Listing Options

QY501 -F—   Listings (media: R, Z)

ADDITIONAL SERVICES:

None

D1.19.0