digital

Software Product Description

DESCRIPTION:

MINC/BASIC is a computational, graphics and laboratory data acquisition and control package for scientific-product development and for clinical applications. It is designed for easy and fast programming of laboratory data acquisition and control tasks by users unfamiliar with computers. MINC/BASIC programs can display graphic data and exchange data and commands with laboratory instruments.

MINC/BASIC systems are already generated and the user is "in BASIC" when the system is turned on. All features of the operating system are accessed from BASIC. They are designed for the novice programmer to be easier to use than similar features on conventional operating systems.

BASIC is a high-level conversational programming language developed at Dartmouth College. It uses simple English-like statements and familiar mathematical notations to do operations. Because of its conversational structure. BASIC is simple enough for the inexperienced programmer. BASIC can nonetheless be used to control all MINC/BASIC system resources.

MINC/BASIC has a variety of features for writing, editing, and running user programs. The screen text editor uses special function keys to make program editing easier.

The graphics calls in MINC/BASIC plot two single-valued functions with a resolution of 512 points on the x axis and 190 points on the y axis. Other graphics features include automatic scaling, shading, and interpolation.

MINC/BASIC includes commands for the control and monitoring of experiments through the standard IEEE-488 Interface or optional MINC plug-in modules for:

- analog to digital conversion
- analog preamplification
- analog multiplexing
- digital to analog conversion
- digital input
- digital output
- timekeeping (crystal clock)

MINC/BASIC commands display characters on the video graphics CRT screen in a variety of formats including reverse video, flashing, boldface, underline, and combinations.

The LA35-H (EIA only) is supported as an optional line printer. The three remaining ports in MINC's DVL11-J are for the video graphics console provided with all MINC systems, and for two ASCII instruments.

MINIMUM HARDWARE REQUIRED:

MNC11-B
MNC11-C

OPTIONAL HARDWARE:

A maximum of eight MNC laboratory modules can be supported at one time. The maximum number for any individual module is given below. In no case can the total number of installed modules be greater than eight. However modules can at any time be interchanged, subject to nine configuration guidelines.

MODULE	DESCRIPTION	MAXIMUM NUMBER
MNCKW	Programmable real-time clock	2
MNCAD	A/D converter	1
MNCAM	dual multiplexer	7
MNCAG	preamplifier	5
MNCAA	D/A converter	4
MNCDI	digital input	4
MNCDO	digital output	4

PREREQUISITE SOFTWARE:

None

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

The customer is entitled to free telephone support by the MINC Product Service Center (PSC) for a period not to exceed 120 days after shipment of the system. Telephone support shall consist of answering customers questions with regard to the operation and performance of MINC/BASIC as well as aiding the customer in diagnosing MINC/BASIC software problems.

UPDATE POLICY:

Software Updates, if any, released by DIGITAL during the thirteen months after shipment of the system, will be provided to the customer for a media charge

(includes no installation). After the first thirteen months, updates, if any, will be made available according to then prevailing DIGITAL policies.

Geographical Limitations:

The preceding support update policies apply to the contiguous 48 United States and the District of Columbia. If this product is delivered outside of these areas, the customer should consult his local DIGITAL office for exact support and update policies.

ORDERING INFORMATION:

All binary licensed software, including any subsequent updates, is furnished under the licensing provisions of DIGITAL's Standard Terms and Conditions of Sale, which provide in part that the software and any part thereof may be used on only the single CPU on which the software is first installed, and may be copied, in whole or in part (with the proper inclusion of the DIGITAL copyright notice and any DIGITAL proprietary notices on the software) only for use on such CPU. All source licensed software is furnished only under the terms and conditions of a separate Software Program Sources Agreement between Purchaser and DIGITAL.

This product is available only on the floppy diskette medium.

Standard Options

MNC11 -B— MINC Hardware single-use license, binaries, documentation, support service

MNC11 -C— MINC Hardware single-use license, binaries, documentation, support service

Miscellaneous Options

QJV31 -G— Pre-delivery kit (media: Z)

ADDITIONAL SERVICES:

None