

# digital

# Software Product Description

**PRODUCT NAME: MiniMINC/BASIC, Version 1.2**

**SPD 14.48.1**

## **DESCRIPTION:**

BASIC is a conversational programming language developed at Dartmouth College that uses simple English language-like statements and familiar mathematical notations to perform operations. MiniMINC/BASIC enhances the capability of Dartmouth BASIC with the addition of powerful system graphics and I/O commands and statements.

MiniMINC/BASIC is a computational laboratory data acquisition and control package for analysis in scientific, engineering, and management applications. It can display graphic data and exchange data and commands with laboratory instruments connected to MiniMINC serial ASCII ports.

MiniMINC/BASIC systems are ready to run 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 and are easier to use than features on conventional operating systems. A HELP command providing extensive text is integrated into the systems to aid the user in the use of commands.

MiniMINC/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 MiniMINC/BASIC plot two single-valued functions on the console CRT 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.

MiniMINC/BASIC also includes statements for control of the three serial ports for interface to EIA standard RS232-C compatible serial ASCII instruments, printers, and plotters supporting speeds up to 2400 baud. The MiniMINC serial ports require the signal Data Terminal Ready (DTR) but do not issue Data Set Ready (DSR). Also, they neither require nor provide Clear to Send (CTS) nor Request to Send (RTS).

Statements also control the display of alphanumeric characters on the console CRT. The variety of formats includes reverse video, flashing, boldface, underline, and combinations of these formats.

Included with MiniMINC/BASIC is the MINC Applications Package that provides stand-alone applications programs written in BASIC. These programs are useful computational aids that can serve as a basis for user program development. Each program is selected from a simple menu list. The package is divided into five sections:

- Numerical
- Statistical
- Regression Analysis
- Financial
- Miscellaneous

## **MINIMUM HARDWARE REQUIRED:**

MMC11-AK  
MMC11-AN

## **OPTIONAL HARDWARE:**

LA34-H, LA35-H, or LA38 (all EIA only) is supported as an optional line printer.

## **PREREQUISITE SOFTWARE:**

None

## **OPTIONAL SOFTWARE:**

None

## **TRAINING CREDITS:**

None

## **SOFTWARE INSTALLATION:**

### **CUSTOMER INSTALLED**

MiniMINC/BASIC is a software product engineered to be installed by the customer and includes other Software Product Support services listed below.

## **SUPPORT CATEGORY:**

DIGITAL SUPPORTED

MiniMINC/BASIC is a DIGITAL Supported Software Product.

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**SOFTWARE PRODUCT SUPPORT:**

The Customer is entitled to free telephone support by the MINC Product Service Center (PSC) for a 90-day period commencing either from the date of first use by the Customer or thirty (30) days after delivery, whichever occurs first.

The MINC Applications Package is offered as Customer Supported/Customer Installed software. The above telephone support does not apply for the MINC Applications Package.

**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 License Agreement between Purchaser and DIGITAL.

The following key (Y, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., QJV34-HY = binaries on RX01 Floppy Diskette.

Y = RX01 Floppy Diskette  
Z = No hardware dependency

MMC11 AK MiniMINC Hardware 50 cycle, single-use license, binaries, documentation, support services

MMC11 AN MiniMINC Hardware 60 cycle, single-use license, binaries, documentation, support services

*Update Options*

Users of MiniMINC/BASIC whose specified Support Category warranty has expired may order under license the following software update at the then current charge for such update. The update is distributed in binary form on the appropriate medium and includes no installation or other services unless specifically stated.

QJV34 -H— Binaries, documentation (media: Y)

QJV34 -H— Right to copy for single-use (under existing license), no binaries, no documentation (media: Z)

*Miscellaneous Options*

QJV34 -G— Documentation only kit (media: Z)

**ADDITIONAL SERVICES:**

None