digital

Software Product Description

PRODUCT NAME: BASIC-11/RT-11, Version 2   **SPD 12.5.5**

DESCRIPTION:

BASIC is a high-level conversational programming language, developed at Dartmouth College, that uses simple English-like statements and familiar mathematical notations to perform an operation. Because of its conversational structure, BASIC is simple enough for the inexperienced programmer while having capability sufficient to control all of the system resources. Because of its simplicity, BASIC reduces programming time for developing applications programs.

BASIC-11/RT-11 is an incremental, interactive, interpretive compiler operating under the RT-11 operating system.

BASIC-11/RT-11 features include:

- A variety of program manipulation commands including commands for saving, editing, running and retrieving BASIC programs.
- Support for real, integer, double precision and string data types.
- Immediate mode statements for debugging and desk calculator usage.
- Sequential data storage using the RT-11 file system.
- String capability, including string arrays and functions.
- Disk virtual arrays for string, integer and real data types.
- Chaining with COMMON to accomodate large programs.
- CALL facility for invoking assembly language subroutines using a PDP-11 FORTRAN-compatible calling interface.
- Formatted output using the PRINT USING statement.

MINIMUM HARDWARE REQUIRED:

One of the following:

- Any valid RT-11 operating system configuration. At least 32K bytes of memory are recommended for speed and support of all BASIC-11 features.
- Any valid PDT-11/150 system configuration

OPTIONAL HARDWARE:

Supports any mass storage, unit record or terminal device supported by RT-11, with the additions of:

- KE11-B Extended Arithmetic Element
- KE11-E Extended Instruction Set

- FP11 Floating Point Processor
- KE11-F or KEV11 Floating Point Instruction Set

PREREQUISITE SOFTWARE:

RT-11 Operating System, Version 3 or later

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

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

UPDATE POLICY:

Software Updates, if any, released by DIGITAL during the one (1) year period following installation, will be provided to the customer for a media charge (includes no installation). After the first year, updates, if any, will be made available according to then prevailing DIGITAL policies.

ORDERING INFORMATION:

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 (C, D, E, Q, R, T, Y, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., QJ913-AD = binaries on 9-track magnetic tape.

C = DECtape
D = 9-track Magnetic Tape
E = RK05 Disk Cartridge
Q = RL01 Disk Cartridge
R = Microfiche
T = RK06 Disk Cartridge
Y = RX01 Floppy Diskette
Z = No hardware dependency

Standard Options

QJ913 -A— Single-use license, binaries, documentation, support services (media: C, D, E, Q, T, Y)

QJ913 -C— Single-use license, binaries, documentation, no support services (media: C, D, E, Q, T, Y)

QJ913 -D— Single-use license only, no binaries, no documentation, no support services (media: Z)

Update Options

Users of BASIC-11/RT-11, Version 1B, 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 otherwise.

QJ913 -H— Binaries, documentation (media: C, D, E, T, Y)

Users of BASIC-11/RT-11, Version 1B, whose specified Support Category warranty has not expired may order under license the following software update for the then current media charge. The update is distributed in binary form on the appropriate medium and includes no installation or other services unless specifically stated otherwise.

QJ913 -W— Binaries, documentation (media: C, D, E, T, Y)

Source/Listing Options

QJ913 -E— All sources (media: D, E, Q, T, Y)

QJ913 -F— Listings (media: R)

Source/Listing Update Options

The following options are available to licensed users as updates to source/listing options. The update is distributed in source form on the appropriate medium and includes no installation or other services unless specifically stated otherwise.

QJ913 -N— Sources update (media: D, E, T)

Miscellaneous Options

QJ913 -G— Pre-delivery kit (media: Z)

ADDITIONAL SERVICES:

None

ADDENDUM
SOFTWARE SUPPORT CATEGORIES

Each software product (hereinafter 'SOFTWARE') with a designated Support Category A or B in the applicable Software Product Description (SPD) existing at the time of order will be the current release at the time of delivery and will conform to the SPD. DIGITAL's sole obligation shall be to correct defects (nonconformance of the SOFTWARE to the SPD) as described below. Any SOFTWARE with a designated Support Category C will be furnished on an 'as is' basis.

For SOFTWARE with a designated Support Category A or B, DIGITAL will provide the services set forth below without additional charge.

CATEGORY A

1. Upon notification by customer to the nearest DIGITAL office that the computer system, including all required prerequisite hardware and software, is ready for the installation of the SOFTWARE, DIGITAL will install such SOFTWARE in any location within the contiguous forty-eight (48) United States, the District of Columbia, or a country in which DIGITAL or a subsidiary of DIGITAL has a software service facility. The notification must be received by DIGITAL and the system must be ready for installation within thirty (30) days after the delivery of the SOFTWARE to customer or DIGITAL will have no obligation to install. Installation will consist of: (1) verification that all components of the SOFTWARE have been received by customer, (2) loading the SOFTWARE, and (3) executing a DIGITAL sample procedure.

2. During the ninety (90) day period after installation, if the customer encounters a problem with the current unaltered release of the SOFTWARE which DIGITAL determines to be a defect in the SOFTWARE, DIGITAL will provide the following remedial service (on site where necessary): (1) if the SOFTWARE is inoperable, apply a temporary correction (TC) or make a reasonable attempt to develop an emergency by-pass, and (2) assist the customer to prepare a Software Performance Report (SPR) and submit it to DIGITAL.

3. During the one (1) year period following installation, if the customer encounters a problem with the SOFTWARE which his diagnosis indicates is caused by a SOFTWARE defect, the customer may submit an SPR to DIGITAL. DIGITAL will respond to problems reported in SPRs which are caused by defects in the current unaltered release of the SOFTWARE via the Maintenance Periodical for the SOFTWARE, which reports SPRs received, code corrections, temporary corrections, generally useful emergency by-passes and/or notice of the availability of corrected code. Software Updates, if any, released by DIGITAL during the one (1) year period, will be provided to the customer on DIGITAL's standard distribution media as specified in the applicable SPD. The customer will be charged only for the media on which such updates are provided, unless otherwise stated in the applicable SPD, at DIGITAL's then current media prices.

CATEGORY B

During the one (1) year period following delivery, the services provided to the customer will be the same as set forth in 3 above.

CATEGORY C

SOFTWARE is provided on an 'as is' basis. Any software services, if available, will be provided at the then current charges.

DIGITAL shall have the right to make additional charges for any additional effort required to provide services resulting from customer use of other than current unaltered release of the SOFTWARE operated in accordance with the SPD.