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Software Product Description

PRODUCT NAME: DECsystem-10 2780/3780 ET, Version 3.0

SPD 8.70.4

DESCRIPTION:

The DECsystem-10 2780/3780 ET emulates and/or terminates Model 76 DATA 100 units with the 2780/3780 features described below. Equivalent units may also be utilized, but it is the customer's responsibility to prove equivalency. The software enables a DECsystem-10 equipped with a DN20 or DN87 front-end to:

- Submit 2780/3780 remote entry jobs to an IBM 360/370
- Process jobs submitted from 2780/3780 terminals

Emulation Mode

In emulation mode, the DECsystem-10 connects to an IBM 360 or 370. The DECsystem-10 appears to the IBM system to be a DATA 100 unit emulating an IBM 2780 or 3780 remote job entry station. The IBM 360 or 370 system must be running one of the following:

- OS/VS2 (SVS) HASP II, Version 4.0
- OS/VS2 (MVS) JES2
- OS/MVT HASP II, Version 3.1
- OS/MVT ASP, Version 3.1
- OS/VS2 (SVS), Version 3.2

A DECsystem-10 user can submit a disk file containing IBM JCL and ASCII data to the IBM system as a batch job. The software translates the data to EBCDIC before transmitting the job to the IBM system. Any output data returned to the DECsystem-10 is translated to ASCII and printed. In emulation mode the software does not handle special forms.

When connected to an OS/VS2 (SVS) HASP II, Version 4.0 or an OS/VS2 (MVS) JES2 system, this product allows the DECsystem-10 user to route output from the IBM system to a given disk area on the DECsystem-10.

Termination Mode

In termination mode, the DECsystem-10 connects to a Model 76 DATA 100 running either 2780 or 3780 software as mentioned above or equivalent units. The 2780/3780 remote station user submits a DECsystem-10 batch control file from the remote station's card reader. Any job output is returned to the remote station for printing only on its printer.

The 2780/3780 emulator and terminator supports a maximum aggregate termination rate of 40K baud up to 6 synchronous communication lines. The lines can range in speed from 2.4K baud to a maximum of 40K baud. The lines can interface to:

- Bell System 201C modems at 2.4K baud
- Bell System 208A or 208B modems at 4.8K baud
- Bell System 209A modems at 9.6K baud
- ICC COMLINK II modems at 19.2K baud
- Bell System 303 modems for speeds in excess of 19.2K baud

Equivalent modems can also be used, however it is the customer's responsibility to prove equivalency.

MINIMUM HARDWARE REQUIRED:

Any valid TOPS-10, Version 6.03A, Version 7.00 or TOPS-10 LIR for DECsystem-1091S configuration with:

- Single KL10- or KI10-based DECsystem-10, Version 6.03A, dual KL10-based DECsystem-10, Version 7.00 or KL10-based DECsystem-1091S, Version 7.01
- DN20 or DN87 front-end with at least one synchronous line interface respectively

OPTIONAL HARDWARE:

Up to six synchronous line interfaces per DN20 or DN87

PREREQUISITE SOFTWARE:

TOPS-10 Operating System, Version 6.03A or Version 7.00.

TOPS-10 LIR for DECsystem-1091S, Version 7.01

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

DIGITAL SUPPORTED

DECsystem-10 2780/3780 ET is a DIGITAL Supported Software Product.

SOFTWARE INSTALLATION:

DIGITAL INSTALLED

DIGITAL installation is required for Software Product Support. There is no charge for installation if performed at the time of system installation. DIGITAL installed software products, except for operating systems, are subject to an add-on installation fee when purchased subsequent to system installation.

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SOFTWARE PRODUCT SUPPORT:

DECsystem-10 2780/3780 ET includes standard warranty services as defined in the Software Support Categories Addendum of this SPD.

ORDERING INFORMATION:

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The following key (F, M, P, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., QH061-XM = sources on 9-track 1600 BPI Magtape (PE).

F = 7-track Magtape
M = 9-track 1600 BPI Magtape (PE)
P = 9-track 800 BPI Magtape (NRZI)
Z = No hardware dependency

For use with TOPS-10, Version 6.03A

QH061 -X—Single-use license, source license, sources, documentation, support services, (media: F, M, P)

QH061 -U— Defense Acquisition Regulation/NASA Marking, sources, documentation, support services, (media: F, M, P)

QH061 -D— Single-use license only, no sources, no documentation, no support services (media: Z)

For use with TOPS-10, Version 7.00

QH067 -X—Single-use license, source license, sources, documentation, support services, (media: F, M, P)

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For use with TOPS-10 LIR for DECsystem-1091S, Version 7.01

QH603 -X— Single-use license, source license, sources, documentation, support services (media: M)

QH603 -D— Single-use license only, no sources, no documentation, no support services (media: Z)

Update Options

Users of DECsystem-10 2780/3780 ET 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 source form on the appropriate medium and includes no installation or other services unless specifically stated.

For use with TOPS-10, Version 6.03A

QH061 -N— Sources, documentation (media: F, M, P)

QH061 -N— Right to copy for single-use (under existing license), no sources, no documentation (media: Z)

For use with TOPS-10, Version 7.00

QH067 -N— Sources, documentation (media: F, M, P)

QH067 -N— Right to copy for single-use (under existing license), no sources, no documentation (media: Z)

For use with TOPS-10 LIR for DECsystem-1091S, Version 7.01

QH603 -N— Sources, documentation (media: M)

QH603 -N— Right to copy for single-use (under existing license), no sources, no documentation (media: Z)

ADDITIONAL SERVICES:

Post-warranty Software Product Services for this software product are available with the prerequisite being the purchase of the TOPS-10 Self-Maintenance Service for Software. Customers should contact their local DIGITAL office for additional information.