Software Product Description

PRODUCT NAME: VAX KMS11-BD/BE X.25   SPD 25.80.07
Link Level Software, Version 2.1

DESCRIPTION

VAX KMS11-BD/BE X.25 Link Level Software is a package of X.25 Level 2 firmware, plus a VMS device driver for the KMS11-BD/BE X.25 Link Level Software. The driver, in conjunction with the X.25 Level 2 firmware and KMS11-BD/BE hardware, allows the VAX/VMS processor to perform high-speed, multi-line, synchronous communication in a point-to-point environment.

The primary purpose of the driver is to allow command, control and data information to and from:

- VMS users
- KMS11-BD/BE firmware
- Remote end of communication line

The driver is full-duplex and maintains internal queues.

Features

- Full-duplex operation
- Integrated VMS Level 2 diagnostic support
- Integrated VMS UETP (User Environment Test Program) support
- Support of the KMS11-BD/BE hardware and X.25 link level hardware and firmware
- Error log support
- Loading of X.25 microcode into the device
- Modem initialization
- Line initialization, deinitialization
- Line connect/disconnect
- Transmit data
- Receive data
- Line statistics
- Optional auto load of firmware after powerfail

Major features/functions provided by the KMS11-BD hardware and X.25 link level firmware:

- X.25 link level, HDLC
- LAPB (Link Access Procedure Balanced)
- Modem control via KMS11-BD/BE
- DMA for high throughput
- Eight lines at 19.2 Kbps, four lines at 56 Kbps. Selecting 56 Kbps for any one line limits total line use to four lines per KMS11-BD/BE
- Telenet® compatibility

HARDWARE REQUIREMENTS

VAX configuration as specified in the System Support Addendum (SSA 25.80.07-x).

SOFTWARE REQUIREMENTS

VMS Operating System

Refer to the System Support Addendum (SSA 25.80.07-x) for availability and required versions of prerequisite/optional software.

OPTIONAL SOFTWARE

None

ORDERING INFORMATION

Software Licenses: QL-757A*-**
Software Media: QA-757A*-**
Software Documentation: QA-757AA-GZ

* Denotes variant fields. For additional information on available licenses and media, refer to the appropriate price book.

SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and polices, contact your local Digital office.

LICENSE MANAGEMENT FACILITY

This layered product supports the VMS License Management Facility.

License units for this product are allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the *License Management Utility* manual of the VMS Operating System documentation set.

For more information on Digital's licensing terms and policies, contact your local Digital office.

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

®   Telenet is a registered trademark of GTE Telenet Communication Corporation.

™   The DIGITAL Logo, CI, MicroVAX, TK, UETP, VAX, VAXcluster, VAXstation, VAXserver and VMS are trademarks of Digital Equipment Corporation.

System Support Addendum

PRODUCT NAME: **VAX KMS11-BD/BE X.25**   **SSA 25.80.07-B**
                             Link Level Software, Version 2.1

HARDWARE REQUIREMENTS

Processors Supported

> VAX 8200, VAX 8250, VAX 8300, VAX 8350,
> VAX 8500, VAX 8530, VAX 8550, VAX 8600,
> VAX 8650, VAX 8700, VAX 8800, VAX 8810,
> VAX 8820, VAX 8830, VAX 8840
>
> VAX–11/730, VAX–11/750, VAX–11/780,
> VAX–11/785

Processors Not Supported

> VAXft Model 110,
> VAXft Model 310,
> VAXft Model 410,
> VAXft Model 610,
> VAXft Model 612
>
> VAX 4000 Model 200,
> VAX 4000 Model 300,
> VAX 4000 Model 500
>
> VAX 6000 Model 200 Series,
> VAX 6000 Model 300 Series,
> VAX 6000 Model 400 Series,
> VAX 6000 Model 500 Series,
> VAX 6000 Model 600 Series
>
> VAX 9000 Model 110,
> VAX 9000 Model 210,
> VAX 9000 Model 300 Series,
> VAX 9000 Model 400 Series
>
> VAX–11/725, VAX–11/782

MicroVAX, VAXstation, and VAXserver processors

Processor Restrictions

The number of KMS11-BD/BEs that may be installed is processor specific. Attention must be paid to bus loading and adapter restrictions.

Other Hardware Required

A KMS11-BD/BE eight-line programmable communications controller.

Disk Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	582 blocks (298 Kbytes)
Disk space required for use (permanent):	270 blocks (138 Kbytes)

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

OPTIONAL HARDWARE

None

CLUSTER ENVIRONMENT

This layered product is fully supported when installed on any valid and licensed VAXcluster* configuration without restrictions. The *HARDWARE REQUIREMENTS* sections of this product's Software Product Description and System Support Addendum detail any special hardware required by this product.

* V5.x VAXcluster configurations are fully described in the VAXcluster Software Product Description (SPD 29.78.xx) and include CI, Ethernet, and Mixed Interconnect configurations.

SOFTWARE REQUIREMENTS

VMS Operating System V5.0 - V5.5

VMS Tailoring

For VMS V5.x systems, the following VMS classes are required for full functionality of this layered product:

• VMS Required Saveset

- System Programming Support

- Programming Support

- User Environment Test Package

For more information on VMS classes and tailoring, refer to the VMS Operating System Software Product Description (SPD 25.01.xx).

OPTIONAL SOFTWARE

None

GROWTH CONSIDERATION

The minimum hardware/software requirements for any future version of this product may be different from the requirements of the current version.

DISTRIBUTION MEDIA

9-track 1600 BPI Magtape, TK50 Streaming Tape

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Software Media: QA-757A*-**
Software Documentation: QA-757AA-GZ

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The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.