Software Product Description

PRODUCT NAME: **VAXELN KMV1A Support Software Package,** **SPD 28.35.01**
Version 1.1

DESCRIPTION

The VAXELN KMV1A Support Software Package consists of a VAXELN KMV1A Driver Program and a VAXELN KMV1A High Level Language Interface Library that facilitates the development of MicroVAX applications that utilize the following microprogrammed KMV1A product supported radar and communications protocols:

- Thirteen Bit Long Range Radar (LRR) Protocol
- Nine Bit International Data Link (IDL) Protocol
- Nine Bit Mobile Command Center (MCC) Protocol
- Advanced Data Communications Control Procedures (ADCCP) Protocol

The KMV1A Support Software Package operates on MicroVAX II under VAXELN Toolkit (SPD 28.02.xx) and supports EPascal application programs.

Features

The VAXELN KMV1A Support Software Package contains a VAXELN KMV1A Driver Program that supports up to sixteen KMV1A Devices in a multiplexed environment by way of the MicroVAX Q22 Bus interface. The support provided by the driver is for both DMA and programmable I/O. The VAXELN KMV1A High Level Language Interface Library provides a common, standardized interface to the Driver Program. The library also provides data definitions and structures for interfacing to the KMV1A microprogrammed DMA I/O.

Driver and Library support includes:

- Loading KMV1A microprograms from mass storage into KMV11 memory
- Starting and stopping KMV1A microprogrammed execution
- Real-Time response to KMV1A microprogrammed events
- Simultaneous support for up to sixteen KMV1A devices
- KMV1A list/buffer definition and creation
- KMV1A list/buffer DMA I/O
- On-line message error facility for status code translation
- EPascal application development environment

HARDWARE REQUIREMENTS

VAX or MicroVAX configuration as specified in the System Support Addendum (SSA 28.35.01-x).

SOFTWARE REQUIREMENTS*

For VAX Development Systems:

VMS Operating System
VAXELN Toolkit

For MicroVAX II Development Systems:

MicroVMS Operating System
VAXELN Toolkit

For Target System:

An appropriate VAXELN license is required

* Refer to the System Support Addendum for availability and required versions of prerequisite/optional software (SSA 28.35.01-x).

ORDERING INFORMATION

Software Licenses: QL-Z71A*-**
Software Media: QA-Z71A*-**
Software Documentation: QA-Z414AA-GZ
Software Product Services: QT-Z41A*-**

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

SOFTWARE LICENSING

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

SOFTWARE PRODUCT SERVICES

A variety of service options are available from DIGITAL. For more information 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 the SPD.

System
Support
Addendum

PRODUCT NAME: **VAXELN KMV1A Support Software Package,**   **SSA 28.35.01-A**
Version 1.1

HARDWARE REQUIREMENTS

Processor Support

For Development:

VAX: VAX-11/780, VAX-11/785, VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8600, VAX 8650, VAX 8700

MicroVAX: MicroVAX II

For Execution:

MicroVAX: MicroVAX II

Processors Not Supported

VAX: VAX-11/725, VAX-11/730, VAX-11/750, VAX-11/782

VAX 6210, VAX 6220, VAX 6230, VAX 6240, VAX 6310, VAX 6312, VAX 6320, VAX 6330, VAX 6333, VAX 6340, VAX 6350, VAX 6360, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978

MicroVAX: MicroVAX I, MicroVAX 2000, MicroVAX 3300/3400, MicroVAX 3500/3600, MicroVAX 3800/3900

VAXstation: VAXstation I, VAXstation II, VAXstation 2000, VAXstation 3100, VAXstation 3200, VAXstation 3500, VAXstation 3520, VAXstation 3540, VAXstation 8000

VAXserver: VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800/3900, VAXserver 6210, VAXserver 6220, VAXserver 6310, VAXserver 6320

Processor Restrictions

None

Other Hardware Required

• A KMV1A Programmable Communications Controller

Block Space Required (Block Cluster Size = 1):

Disk space required for installation: 250 blocks
(125K bytes)

Disk space required for use (permanent):   250 blocks
(125K bytes)

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

OPTIONAL HARDWARE

None

CLUSTER ENVIRONMENT

This layered product is fully supported when installed on any valid and licensed VAXcluster or Local Area VAXcluster configuration including VAXcluster configurations accessing a common system disk, without restrictions.

SOFTWARE REQUIREMENTS

For VAX Development Systems:

VMS Operating System V4.7
VAXELN Toolkit V3.1

For MicroVAX II Development Systems:

MicroVMS Operating System V4.7
VAXELN Toolkit V3.1

For Target System:

An appropriate VAXELN license is required

MicroVMS Tailoring

For MicroVMS V4.x systems, the following components of MicroVMS are required for full functionality of this layered product:

• The MicroVMS Base System
• Common Utilities
• Secure User Environment
• Program Development

OPTIONAL SOFTWARE

None

GROWTH CONSIDERATIONS

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

software digital

DISTRIBUTION MEDIA

Tape: 9-Track 1600 BPI Magtape, TK50 Streaming Tape

ORDERING INFORMATION

Software Licenses: QL-Z71A*-**
Software Media: QA-Z71A*-**
Software Documentation: QA-Z41AA-GZ
Software Product Services: QT-Z41A*-**

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

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