

# Software Product Description

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**PRODUCT NAME: KMV1A LRR Program, Version 1.1**

**SPD 28.38.01**

## **DESCRIPTION**

The KMV1A LRR Communications Program is a Long Range Radar protocol microcode for the KMV1A programmable communications controller. The microcode allows the user to perform medium speed synchronous radar communication in a point-to-point radar environment using the LRR link level protocol.

The KMV1A LRR Communications Program is designed to operate with the KMV1A Support Software Package product, which is comprised of a KMV1A Driver Program and High Level Language Interface Library. This package supports command, control, and data information processing between the KMV1A LRR Communications program, and a MicroVAX II host application.

## **Features**

Features and functions provided by the KMV1A and the LRR Radar Communications Program are:

- Framing of a variable number (to a maximum of nine) of 13-bit data words
- Direct Memory Access (DMA) for high throughput
- Support for DTE clock source from 1200 bps (bits per second) up to 4800 bps
- Transmit and receive data
- Abort data transmission and reception
- Modem control including Remote Loop or Local Loop
- Modem lead change control for Carrier Detect, Ring Indicator, Clear To Send, and Data Set Ready
- Line statistics

## **HARDWARE REQUIREMENTS**

VAX or MicroVAX configuration as specified in the System Support Addendum (SSA 28.38.01-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 28.38.01-x).

## **ORDERING INFORMATION**

Software Licenses: QL-Z74A\*-\*\*

Software Media: QA-Z74A\*-\*\*

Software Documentation: QA-Z74AA-GZ

Software Product Services: QT-Z74A\*-\*\*

\* Denotes variant fields. For additional information on available 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 policies, 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 this SPD.

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# System Support Addendum

PRODUCT NAME: **KMV1A LRR Program, Version 1.1**

**SSA 28.38.01-A**

## 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 Requirements (Block Cluster Size = 1):*

Disk space required for installation: 100 blocks  
(51K bytes)

Disk space required for use (permanent): 100 blocks  
(51K 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:

- Base System
- Common Utilities
- Secure User's 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.

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**DISTRIBUTION MEDIA**

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

**ORDERING INFORMATION**

Software Licenses: QL-Z74A\*-\*\*

Software Media: QA-Z74A\*-\*\*

Software Documentation: QA-Z74AA-GZ

Software Product Services: QT-Z74A\*-\*\*

\* Denotes variant fileds. 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.