Software Product Description

PRODUCT NAME: MicroVAX Diagnostic Monitor CDROM   SPD 33.16.02
Maintenance Diagnostics

DESCRIPTION

MicroVAX Diagnostic Monitor (MDM) CDROM Maintenance Diagnostics allows the MicroVAX Diagnostic Monitor standalone operating system to be booted from an RRD4x CDROM reader connected to a KZQSA controller or to a DECsystem 5500's SCSI interface. It also allows MDM to be booted from an RRD4x or RRD50 CDROM reader connected to a KRQ50 controller. The CDROM loadable MDM system images are functionally the same as the loadable MDM images available in the RX50/TK50 version of MDM.

For VMS users, the CDROM Kit also includes a working directory called [MDMKITS] which provides a number of useful MDM files. These files include: VMS installable savesets for both the RA/RD/RF loadable MDM kits and the Ethernet loadable MDM kits, MDM release notes, MDM user documentation, and an MDM TK tape building file. A CDROM_README.TXT file located in the MDMKIT's directory provides information on the building of MDM TK50/70 tapes and any updates not included in the MDM Release Notes.

The MicroVAX Diagnostic Monitor (MDM) standalone operating system with diagnostic programs runs on any valid MicroVAX or DECsystem-based system to verify that the system is operating correctly. MDM is designed to be booted on a valid MicroVAX or DECsystem-based system where it can test the system's devices. The main objective of the diagnostic testing is the isolation of problems to a field replaceable unit (FRU) that can be easily removed and repaired.

MDM is operated through two user interfaces, menu mode and command line mode. Menu mode provides an easy-to-use structured control of diagnostic testing through menu selections. Command line mode provides a more interactive control of diagnostic testing through individual commands typed at a command line mode prompt. Both interfaces offer full testing capability, but command line mode allows greater control of diagnostic operating conditions.

MDM is available in two versions:

- Customer Version — shipped with every valid Micro-VAX or DECsystem

- Service Version

Both versions allow the user to select operations from the same menu. Only the service version provides full diagnostic testing. Only the service version supports command line mode.

MDM provides Functional, Exerciser and Utility environments under verify or service modes for testing on any valid MicroVAX-based system.

Diagnostic Test Environments and Modes

Environ-ments	Character-istics	Test Modes	
		Verify	Service
Functional	Tests execute one at a time	No special set-up required	Special set-up required
	No operator interaction		
Exerciser	Tests execute with other tests	No special set-up required	Special set-up required
	No operator interaction		
Utility	Tests execute one at a time	Do not run	Used where operator interaction is required to perform special functions such as formatting Winchester disks or isolating communication subsystem problems
	Operator interaction required		

HARDWARE REQUIREMENTS

Any valid VAX 4000 system that has RRD4x CDROM boot support via the KZQSA controller and has an RRD4x CDROM reader attached to the SCSI bus off of the KZQSA.

Any valid MicroVAX system that has RRD4x or RRD50 CDROM boot support via the KRQ50 controller and has an RRD4x or RRD50 CDROM reader attached.

Any DECsystem 5500 system that has an RRD4x CDROM reader attached to its onboard SCSI bus.

A minimum memory of 2MB is required to boot and run MDM from the KZQSA controller. A minimum memory of 5MB is required to boot and run MDM from the KRQ50 controller.

The MDM CDROM Kit will not boot and run on a Micro-VAX 2000 or MicroVAX I system. Valid DECsystem systems include the DECsystem 5400 and the DECsystem 5500. The MDM CDROM kit does not support the InfoServer 100.

OPTIONAL HARDWARE

None

SOFTWARE REQUIREMENTS

No additional software is required to boot MDM from the CDROM, however, VMS is required to access the files contained within the MDMKIT's directory on the CDROM.

OPTIONAL SOFTWARE

None

ORDERING INFORMATION

Software License: QX-K32AA-AA

Software Media: QZ-K32AA-H8

Software Updates: QY-K32AA-A8

Miscellaneous Options

Maintenance Documentation Service (MDS) — Microfiche Documentation Library

MD-LEVAX-01	Maintenance Documentation and Diagnostic Listings for low-end VAX systems (Library with 1 year updates)
MD-LEVAX-02	Maintenance Documentation and Diagnostic Listings for low-end VAX systems (Library with 2 year updates)

SOFTWARE LICENSING

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