

# Software Product Description

PRODUCT NAME: **MicroVAX Diagnostic Monitor  
RA/RD Kit, Version 1.0**

**SPD 31.82.00**

## DESCRIPTION

The MicroVAX Diagnostic Monitor RA/RD Kit allows the MicroVAX Diagnostic Monitor standalone operating system to be loaded from a fixed hard disk. This is particularly useful in situations where the user would like to keep MDM available on a standalone system or one without a TK50/70 tape cartridge device. The loaded system is functionally the same as the RX50 loaded MDM available as ZNABX.

The MicroVAX Diagnostic Monitor (MDM) standalone operating system with diagnostic programs runs on a MicroVAX II/rtVAX/MicroVAX 3000 to verify that the system is operating correctly. MDM is designed to be booted on a MicroVAX II/rtVAX/MicroVAX 3000 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: the customer version, which is shipped with every MicroVAX, and the service version, described here. While the two versions allow you 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 MicroVAX/rtVAX/MicroVAX 3000 hardware testing.

## Diagnostic Test Environments and Modes

Test Modes			
Environments	Characteristics	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 MicroVAX II, rtVAX 1000, or MicroVAX 3000 system configuration containing a minimum of 2MB of system memory, an RA or RD disk and controller and an appropriate load device.

**OPTIONAL HARDWARE**

None

**SOFTWARE REQUIREMENTS**

None

**OPTIONAL SOFTWARE**

None

**SOFTWARE INSTALLATION**

Customer installed.

Optional Digital Installation is available on a time and materials basis.

**ORDERING INFORMATION**

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**Order Numbers**

ZNA11-UZ MicroVAX Diagnostic Monitor RA/RD License only, no binaries, no documentation, no support services

ZNA11-H\* MicroVAX Diagnostic Monitor RA/RD Media Kit in TK50 or 1600 BPI magtape

ZNA11-W\* MicroVAX Diagnostic Monitor RA/RD Annual Update Service in TK50 or 1600 BPI magtape

\*(5) = TK50

(M) = 1600 BPI magtape

*Miscellaneous Options*

Maintenance Documentation Service (MDS) - Microfiche Documentation Library

MD-LEVAX Maintenance Documentation and Diagnostic Listings for VAX-11/730 and MicroVAX systems (Library only)

MD-LEVAX-R Subscription Update Service for MD-LEVAX (12 months)

MD-LEVAX-2R Subscription Update Service for MD-LEVAX (24 months)

**ADDITIONAL SERVICES**

None

**WARRANTY**

None

This software product is provided "AS IS" without any warranty of any kind, either expressed or implied.

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