

Software Product Description

PRODUCT NAME: VAXstation 8000 Diagnostic Set

SPD 25.D8.00

DESCRIPTION

The VAXstation 8000 Diagnostic Set is a package of programs that allows users to maintain a VAXstation 8000 central processor unit (CPU), memory, and standard VAXstation 8000. The set consists of macro-diagnostic programs which are required to fully support diagnosis of a VAXstation 8000 system.

The heart of the VAXstation 8000 system is the VAXBI internal bus. CPU, memory, and some peripheral adapters and controllers are connected to this bus, and are referred to as VAXBI nodes. All VAXBI nodes have extensive Self-tests built into them, and these are automatically executed when the system is initialized. This minimizes the number of macro-diagnostics required for maintenance of VAXstation 8000 systems.

In summary, macro-diagnostics are used for fault detection and isolation in the VAXBI nodes. This complements the extensive self-test capabilities of VAXstation 8000 systems.

Macro-diagnostic Components

VAX Diagnostic Supervisor (VDS) - Supplies diagnostic and operator services (i.e., loading, starting, and control) as a stand-alone controller (non-VMS) or as a process under VMS.

Diagnostics - Consist of exercisers, functional-level and logic-level tests that run under control of VDS. Functional-level tests run with VMS. Logic level programs run only in stand-alone mode.

Supporting programs also included are configurator utility, disk formatters, boots, and auto-sizers.

HARDWARE REQUIREMENTS

Any valid VAXstation 8000 system configuration

OPTIONAL HARDWARE

None

SOFTWARE REQUIREMENTS

VMS Operating System is only required for L2R Diagnostic Operation.

OPTIONAL SOFTWARE

None

SOFTWARE INSTALLATION

Customer Installed

Optional DIGITAL Installation is available for a time and materials charge.

SOFTWARE WARRANTY

THIS SOFTWARE PRODUCT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED.

ORDERING INFORMATION

All single-use licensed software, including any subsequent updates purchased, is furnished under the licensing provisions of DIGITAL's Standard Terms and Conditions, which provide in part that the software and any part thereof may be used on only the single CPU on which the software is first installed, and may be copied, in whole or in part (with the proper inclusion of the copyright notice and any proprietary notices on the software) only for use on such CPU.

VAXstation 8000 Diagnostic Program Levels

<i>Level</i>	<i>Run-time Environment</i>	<i>Types of Programs</i>
Level 2R	Runs under VDS in user mode only	Exercisers and functional tests of memory, peripheral devices
Level 2	Runs under VDS in user and stand-alone modes	Functional tests of CPU instructions set
Level 3	Runs under VDS in standalone mode only	Functional tests and logic tests of CPU and peripheral devices
Level 4	Runs in stand-alone mode without VDS	Functional and logic tests of CPU

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The Single-Use, end-user license is required for each CPU to be self-maintained.

The VAXstation 8000 Diagnostic Media Kit consists of a TK50 cassette containing all of the diagnostic software, diagnostics for system load devices and the Diagnostic Supervisor and Stand-alone Auto-sizer.

VAXstation 8000 DIAGNOSTIC ORDERING INFORMATION

Z1200-UZ	Single-use, end-user license only, no binaries, no documentation, no support services.
Z1200-HW	Diagnostic Media/Documentation kit, binaries (on a TK50 cassette)
Z1200-WW	Annual Diagnostic Update Service

Update Options

Licensed users of VAX Diagnostics may order the Annual Subscription Update Service at the prevailing rate for such updates. The update is distributed in binary form on the appropriate medium and includes no installation or other services unless specifically stated.

Miscellaneous Options

Maintenance Documentation Service (MDS) - Microfiche documentation library

MD-VAX	Maintenance Documentation and Diagnostic Listings for VAX systems (Library Only)
MD-VAX-R	Subscription Update Service for MD-VAX
MD-VAX-D	Maintenance Documentation for VAX systems (Library Only)
MD-VAX-DR	Subscription Update Service for MD-VAX-D
MD-VAX-L	Diagnostic Listings for VAX systems (Library Only)
MD-VAX-LR	Subscription Update Service for MD-VAX-L
DEC-O-LOG	MICROFICHE
MD-MFDOL-R	Field Change Order notification service for all systems (initial subscription includes one year of updates)

ADDITIONAL SERVICES

None