Software Product Description

PRODUCT NAME: **DEC Token Ring Network**   **SPD 36.32.01**
                    Device Driver for VMS, Version 1.1

DESCRIPTION

The DEC Token Ring Network Device Driver for VMS (TRDRV V/V) allows the application software in a VAX system to communicate with the DEC TRNcontroller 100 (DEQRA). The TRDRV V/V supports suitably configured Q–bus MicroVAX 3000 and VAXserver 3000 systems, and VAX 4000 and VAXserver 4000 systems on a 4 Mbps or 16 Mbps 802.5/Token Ring LAN as DECnet Phase IV systems. The TRDRV V/V driver also supports:

• VMS $QIO and Alternate Start I/O interfaces for user-supplied applications

• Source Routing

• Arbitrary Media Access Control (MAC) addressing

The TRDRV V/V driver product includes:

• Online diagnotics

• Installation verification procedure (IVP)

• Host loadable DEQRA microcode

HARDWARE REQUIREMENTS

DEC TRNcontroller 100 (DEQRA) token ring controller. A maximum of two DEQRAs can be supported per system.

Processor and/or hardware configuration as specified in the System Support Addendum (SSA 36.32.01-x).

SOFTWARE REQUIREMENTS

VMS Operating System

OPTIONAL SOFTWARE

DECnet–VAX
PATHWORKS for VMS

ORDERING INFORMATION

DEQRA-CA option number includes:

• DEQRA controller

• Software License for TRDRV V/V

• TRDRV V/V media with driver

• Diagnostics

• IVP

• DEQRA microcode

• DECnet–VAX modifications

• Hardware and Software Documentation

TRDRV V/V media and license cannot be purchased separately from the DEQRA adapter. Update licenses must be purchased separately (QL-GVJA9-RA).

SOFTWARE LICENSING

The DEC Token Ring Network Device Driver for VMS (TRDRV V/V) license grants the right to use the DEC TRDRV software on a single CPU. The DEC TRDRV license is included with the purchase of the DEC TRN-controller 100 (DEQRA). Update licenses (QL-GVJA9-RA) must be purchased separately.

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

License Management Facility Support

This layered product does not support the VMS License Management Facility.

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 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

HARDWARE REQUIREMENTS

Device Support:

DEQRA (maximum of two per system)

Processors Supported:

VAX: VAX 4000 Model 200,
                 VAX 4000 Model 300,
                 VAX 4000 Model 500,
                 VAX 4000 Model 600

MicroVAX: MicroVAX 3300, MicroVAX 3400,
                 MicroVAX 3500, MicroVAX 3600,
                 MicroVAX 3800, MicroVAX 3900

VAXserver: VAXserver 3300, VAXserver 3400,
                 VAXserver 3500, VAXserver 3600,
                 VAXserver 3602, VAXserver 3800,
                 VAXserver 3900

                 VAXserver 4000 Model 200,
                 VAXserver 4000 Model 300,
                 VAXserver 4000 Model 500

Processors Not Supported:

VAX: VAX 6000 Model 200 Series,
                 VAX 6000 Model 300 Series,
                 VAX 6000 Model 400 Series,
                 VAX 6000 Model 500 Series,
                 VAX 6000 Model 600 Series

                 VAX 8200, VAX 8250, VAX 8300, VAX 8350,
                 VAX 8500, VAX 8530, VAX 8550, VAX 8600,
                 VAX 8650, VAX 8700, VAX 8800, VAX 8810,
                 VAX 8820, VAX 8830, VAX 8840

                 VAX 9000 Model 110,
                 VAX 9000 Model 210,
                 VAX 9000 Model 300 Series,
                 VAX 9000 Model 400 Series

                 VAXft Model 110,
                 VAXft Model 310,
                 VAXft Model 410,
                 VAXft Model 610,
                 VAXft Model 612

                 VAX–11/725, VAX–11/730, VAX–11/750,
                 VAX–11/780, VAX–11/782, VAX–11/785

MicroVAX: MicroVAX I, MicroVAX II,
                 MicroVAX 2000, MicroVAX 3100 Series

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

                 VAXstation 4000 Model 60
                 VAXstation 4000 VLC

                 VAXstation 8000

VAXserver: VAXserver 3100

                 VAXserver 6000 Model 210,
                 VAXserver 6000 Model 220,
                 VAXserver 6000 Model 310,
                 VAXserver 6000 Model 320,
                 VAXserver 6000 Model 410,
                 VAXserver 6000 Model 420,
                 VAXserver 6000 Model 510,
                 VAXserver 6000 Model 520,
                 VAXserver 6000 Model 610,
                 VAXserver 6000 Model 620,
                 VAXserver 6000 Model 630

Every system on which the DEC TRDRV V/V software is installed must contain:

- A valid system configuration for the VMS Operating System

- One TK50 drive available to read the software during installation

Disk Space Requirements (Block Cluster Size = 1):

Disk space required:
At installation: 640 blocks net; 1,400 blocks peak
(328 Kbytes net; 717 Kbytes peak)

At steady state: 588 blocks net; 1,400 blocks peak
(301 Kbytes net; 717 Kbytes peak)

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

CLUSTER ENVIRONMENT

This layered product cannot be used to configure systems into Local Area VAXclusters (LAVC). Valid LAVC interconnect devices, such as 802.3/Ethernet controllers, must also be installed when applications requiring 802.5/Token Ring support via the DEQRA are used.

SOFTWARE REQUIREMENTS

VMS Operating System V5.5

TRDRV V/V Limitations

TRDRV V/V has the following limitations: the DEQRA is not usable for Local Area Transport (LAT), Local Area Systems Transport (LAST), or Local Area VAXcluster (LAVC) communications. The DEQRA will not support down-line system loading.

OPTIONAL SOFTWARE

DECnet–VAX V5.5
PATHWORKS for VMS V4.1-1

VMS Tailoring:

For VMS 5.x systems, the following VMS classes are required for full functionality of this layered product:

• VMS Required Saveset

• Network Support

• Programming Support

For more information on VMS classes and tailoring, refer to the VMS Operating System Software Product Description (SPD 25.01.xx).

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

TK50 Streaming Tape

ORDERING INFORMATION

DEQRA-CA option number includes:

• DEQRA controller

• Software License for TRDRV V/V

• TRDRV V/V media with driver

• Diagnostics

• IVP

• DEQRA microcode

• DECnet–VAX modifications

• Hardware and Software Documentation

TRDRV V/V media and license cannot be purchased separately from the DEQRA controller. Update licenses must be purchased separately (QL-GVJA9-RA).

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