# System Support Addendum

**PRODUCT NAME: DECrouter 2000, Version 1.2** **SSA 28.85.03-A**

## HARDWARE REQUIREMENTS

*Processors Supported*

*For VMS Host Systems:*

VAX: VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 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 8842, VAX 8974, VAX 8978

VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785

MicroVAX: MicroVAX II, MicroVAX 2000, MicroVAX 3100, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 2000, VAXstation 3100 Series, VAXstation 3200, VAXstation 3500, VAXstation 3520, VAXstation 3540, VAXstation 8000

VAXserver: VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

*For ULTRIX Host Systems:*

VAX-Based Systems:

VAX: VAX 6000-410, VAX 6000-420

VAX 6210, VAX 6220, VAX 6310, VAX 6320, 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-11/750, VAX-11/780, VAX-11/785

MicroVAX: MicroVAX II, MicroVAX 2000, MicroVAX 3100, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

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

VAXserver: VAXserver 100, VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 6000-210, VAXserver 6000-310, VAXserver 6000-410, VAXserver 6000-420

For RISC-Based Systems:

DECstation: DECstation 2100, DECstation 3100, DECstation 3100s

DECsystem: DECsystem 3100, DECsystem 5400, DECsystem 5810, DECsystem 5820

For MS-DOS® Host Systems:

PC: VAXmate, IBM® 5150, IBM 5160, IBM 5162, IBM 5170, IBM 8530, IBM 8550, IBM 8560, IBM 8580, COMPAQ® DESKPRO, COMPAQ DESKPRO 286, Olivetti M24, Olivetti M28, Olivetti M240, Olivetti M280

*Processors Not Supported*

MicroVAX I, VAXstation I, VAX-11/725, VAX-11/782

For MS-DOS load host support, refer to the Configuration Chart in the DECnet-DOS Software Product Description, (SPD 50.15.xx), for a list of supported configurations.

*Processor Restrictions*

A TK50 Tape Drive is required for standalone MicroVAX 2000 and VAXstation 2000 systems.

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Every load host on which the DECrouter 2000 software is installed must contain:

- A valid system configuration for the relevant operating system and for the appropriate DECnet product (Refer to the DECnet and appropriate operating system SPDs).
- A supported connection on the same LAN as the DECrouter 2000.
- A appropriate device available to read the software during installation:

For VMS and MicroVMS Operating Systems:

- Magnetic tape or TK50 drive.

For ULTRIX-32 Operating Systems:

- Magnetic tape or TK50 drive.

For MS-DOS Operating Systems:

- RX24 or RX31 drive (a minimum of two drives, at least one of which must be capable of reading 5.25 inch 360 Kbyte diskettes or 3.5 inch 720 Kbyte diskettes).

*Block space requirements (Block Cluster Size = 1):*

For VMS and MicroVMS Operating Systems Without TRACE:

| | |
|---|---|
| Disk space required for installation: | 2,100 blocks (1075K bytes) |
| Disk space required for use (permanent): | 7,100 blocks (3635K bytes) |

For VMS and MicroVMS Operating Systems With TRACE:

| | |
|---|---|
| Disk space required for installation: | 2,500 blocks (1280K bytes) |
| Disk space required for use (permanent) | 7,500 blocks (3840K bytes) |

For ULTRIX-32 Operating Systems:

| | |
|---|---|
| Disk space required for installation: | 2,100 blocks (1075K bytes) |
| Disk space required for use (permanent): | 7,100 blocks (3635K bytes) |

For MS-DOS Operating Systems:

| | |
|---|---|
| Disk space required for installation: | 2,100 blocks (1075K bytes) |
| Disk space required for use (permanent): | 7,100 blocks (3635K bytes) |

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. The space indicated for permanent occupancy includes 5000 blocks that should be reserved to receive one upload dump.

The DECrouter 2000 software requires the DEC MicroServer or DEC MicroServer-SP hardware unit, available as follows:

- DEMSA-AA for use with 120 V AC power supplies
- DEMSA-AB for use with 240 V AC power supplies
- DEMSB-AA for use with 120 V AC power supplies
- DEMSB-AB for use with 240 V AC power supplies

The DEC MicroServer and DEC MicroServer-SP have a built-in LAN controller but need a suitable connection to connect to the customer's LAN, together with any necessary extension cables.

The DEC MicroServer and DEC MicroServer-SP use adapter cables to provide the necessary interchange circuits at the appropriate electrical interface types and ISO standard connections for each synchronous line. One of these cables is needed for each line that is used. The following table shows the cable numbers for each of the electrical interface types.

**Adapter Cables**

| Electrical Interface Type | Adapter Cable | Connector/ pinout |
|---|---|---|
| CCITT V.28/V.24 (EIA-RS232-C/D) | BS19D-02 | ISO 2110 |
| CCITT V.10 (EIA-RS423/449) | BC19E-02 | ISO 4902 |
| CCITT V.36/X.27(V.11, EIA-RS422/449) | BC19B-02 | ISO 4902 |
| CCITT V.35 | BC19F-02 | ISO 2593 |
| CCITT X.21 {1980} (Leased services) | BC19C-02 | ISO 4903 |

The BS19D-02 cable provides the V.28/V.24 (RS232-D) interface, but is supplied with an adapter that allows it to be used for RS232-C as well.

**CLUSTER ENVIRONMENT**

*VMS and MicroVMS Load Host Only*

This layered product is fully supported when installed on any valid and licensed VAXcluster* configuration without restrictions. The *HARDWARE REQUIREMENTS* sections of this product's Software Product Description and System Support Addendum detail any special hardware required by this product.

* V5.x VAXcluster configurations are fully described in the VAXcluster Software Product Description (29.78.xx) and include CI, Ethernet and Mixed Interconnect configurations.

Note that the configuration procedure needs to be executed on each node that is required to be a load host.

## SOFTWARE REQUIREMENTS

The DECrouter 2000 needs at least one DECnet Phase IV node to act as a load host. That system needs to be a VAX-based system running the MicroVMS or VMS Operating System.

For each VAX System acting as a load host or dump receiver:

VMS Operating System V4.7 - V5.3 or
MicroVMS Operating System V4.7

DECnet-VAX V4.7 - V5.3

*VMS Tailoring*

For VMS V5.x systems, the following VMS classes are required for full functionality of this layered product:

VMS Required Saveset
Network Support

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

*MicroVMS Tailoring*

For MicroVMS V4.x systems, the following components of MicroVMS are required for full functionality of this product:

Base System

For each ULTRIX-32 System acting as a load host or dump receiver:

ULTRIX-32 Operating System V2.2 - V3.1

DECnet-ULTRIX V2.2 - V3.1

For each MS-DOS System acting as a load host or dump receiver:

MS-DOS Operating System V3.10 - V3.30 or
IBM PC Disk Operating System V3.20 - V3.30 or
COMPAQ MS-DOS V3.30 or
Olivetti MS-DOS V3.2

DECnet-DOS V2.1

## GROWTH CONSIDERATIONS

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

## DISTRIBUTION MEDIA

For VAX systems, running VMS or MicroVMS, acting as a load host:

Tape: 9-track 1600 BPI Magtape (PE), TK50 Streaming Tape

For VAX or RISC systems, running ULTRIX-32, acting as a load host:

Tape: 9-track 1600 BPI Magtape (PE), TK50 Streaming Tape

For Personal Computers acting as a load host:

Disk: RX24 Floppy Diskette, RX31 Floppy Diskette.

## ORDERING INFORMATION

Software Licenses: QL-VI8A*-**

Software Media for VMS and MicroVMS Operating Systems: QA-VI8AA-**

Software Media for ULTRIX-32 Operating System: QA-VI8AB-**

Software Media for MS-DOS Operating System: QA-VI8AC-**

Software Documentation: QA-VI8AA-GZ

Software Product Services: QT-VI8A*-**

* Denotes variant fields. For additional information on available licenses, services and media, refer to the appropriate price book.

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

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