System Support Addendum

PRODUCT NAME: X25router 2000, Version 1.1 (Formerly X25router) **SSA 28.86.01-A**

HARDWARE REQUIREMENTS

Processors Supported (VMS Load 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, 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

Processors Not Supported (VMS Load Host Systems)

VAX: VAX-11/725, VAX-11/782

MicroVAX: MicroVAX I

VAXstation: VAXstation I

Processors Supported (ULTRIX-32 Load Host Systems)

VAX: VAX 6000-210, VAX 6000-220, VAX 6000-310, VAX 6000-320, VAX 6000-410, VAX 6000-420

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, VAXstation 3200, VAXstation 3500, VAXstation 3520,

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

Processors Not Supported (ULTRIX-32 Load Host Systems)

VAX: VAX-11/725, VAX-11/730, VAX-11/782

MicroVAX: MicroVAX I

VAXstation: VAXstation I

DECstation: DECstation 2100, DECstation 3100, DECstation 3100S

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

Processor Restrictions (VMS and ULTRIX-32 Load Host Systems)

A TK50 tape drive is required for standalone MicroVAX 2000 and VAXstation 2000 systems.

Each load host on which the X25router 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 X25router 2000.
- An appropriate device available to read the software during installation:
- MT9 MAGNETIC tape drive or TK50 magnetic tape drive

digital software

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Other Hardware Required

The X25router 2000 software requires the DEC MicroServer (DEMSA) or DEC MicroServer-SP (DEMSB) 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, however, a suitable connection to connect to the customer's LAN is necessary, 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. A cable is needed for each line used. The following table shows the cable numbers for each of the electrical interface types. Note that the MicroServer-SP is provided with a V.28/V.24 cable as standard.

Adapter Cables

Electrical Interface Type		Adapter Cable	Connector/ pinpoint
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.

Block Space Requirements

Block space requirements (Block Cluster Size = 1) For VMS and Micro VMS Operating Systems:

	Without TRACE	With TRACE
Disk space required for installation:	2,000 blocks (1,024) Kbytes)	2,700 blocks (1,382 Kbytes)
Disk space required for use (permanent):	7,000 blocks (3,584 Kbytes)	7,700 blocks (3,942 Kbytes)

Disk space requirements for ULTRIX-32 Operating Systems:

Disk space required for installation:

1,750 Kbytes

Disk space required for use (permanent):

4,500 Kbytes

These values 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 disk space that should be reserved to receive one up-line dump.

CLUSTER ENVIRONMENT

VMS Systems 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 you require to be a load host.

SOFTWARE REQUIREMENTS

The X25router 2000 needs at least one ULTRIX, VMS or MicroVMS system to act as a load host and dump receiver.

For each VMS and MicroVMS System acting as a load host or dump receiver:

- VMS Operating System V4.7 - V5.2

  or

  MicroVMS Operating System V4.7 - V5.2
- DECnet-VAX V4.7 - V5.2

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

- ULTRIX-32 Operating System V3.0 - V3.1

  or

  ULTRIX Worksystem Software V2.0 - V2.1 (including the ULTMOP subset)
- DECnet-ULTRIX V3.0 - V3.1

VMS Tailoring Classes (VMS Systems Only)

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 (VMS Systems Only)

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

- Base System

OPTIONAL SOFTWARE

For VMS Systems Only

To use any of the host-to-host or terminal-host capabilities of an X.25 link from the X25router 2000, a VAX P.S.I. Access product must be installed on all DECnet nodes requiring such access. This additional software is not necessary to use DDCMP or DECnet DLM circuits.

The following Version of VAX P.S.I. Access is supported:

- VAX P.S.I. Access V4.2

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

For ULTRIX, VMS and MicroVMS Systems acting as a load host:

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

ORDERING INFORMATION

For VMS and MicroVMS Load Hosts:

Software Licenses: QL-VIAA*-**
Software Media: QA-VIAA*-**
Software Documentation: QA-VIAAA-GZ
Software Product Services: QT-VIAA*-**

For ULTRIX Load Hosts:

Software Licenses: QL-VIAA*-**
Software Media: QA-VIAA*-**
Software Documentation: QA-VIAAB-GZ
Software Product Services: QT-VIAA*-**

* 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.