System Support Addendum

PRODUCT NAME: **MUXserver 300 Remote Terminal Server for VMS, Version 1.2** **SSA 25.E9.02-A**

HARDWARE REQUIREMENTS

Processors Supported

VAX:	VAXft 3000 Model 310
	VAX 4000 Model 300
	VAX 6000 Model 200 Series, VAX 6000 Model 300 Series, VAX 6000 Model 400 Series, VAX 6000 Model 500 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 9000 Model 210, VAX 9000 Model 410
	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
VAXserver:	VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900
	VAXserver 6000-210, VAXserver 6000-220, VAXserver 6000-310, VAXserver 6000-320, VAXserver 6000-410, VAXserver 6000-420, VAXserver 6000-510, VAXserver 6000-520

Processors Not Supported

MicroVAX I, VAXstation I, VAXstation II, VAX-11/725, VAX-11/730, VAX-11/782, VAXstation 8000

Processor Restrictions

The VAX-11/782 processor is not supported by VMS Operating System V5.0 or later.

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

Supported Hardware

The MUXserver/DECmux 300 software runs on the following packaged hardware options:

DSRZC-AA	MUXserver 300 Remote Terminal Server hardware, factory set at 120V, including: one Ethernet connection, two composite link ports, and a supervisory port.
DSRZC-AB	MUXserver 300 Remote Terminal Server hardware, factory set at 240V, including: one Ethernet connection, two composite link ports, and a supervisory port.
DSRZC-BA	MUXserver 310 Remote Terminal Server hardware, factory set at 120V, including: one Ethernet connection, two composite link ports, and a supervisory port.
DSRZC-BB	MUXserver 310 Remote Terminal Server hardware, factory set at 240V, including: one Ethernet connection, two composite link ports, and a supervisory port.
DM308-AA	DECmux 300 Remote Terminal multiplexer hardware, factory set at 120V, including: two composite link ports, and eight EIA 232-D/CCITT V.24 asynchronous lines supporting speeds up to 19.2K bps and modem control.
DM308-AB	DECmux 300 Remote Terminal multiplexer hardware, factory set at 240V, including: two composite link ports, and eight EIA 232-D/CCITT V.24 asynchronous lines supporting speeds up to 19.2K bps and modem control.

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DM316-AA	DECmux 300 Remote Terminal multiplexer hardware, factory set at 120V, including: two composite link ports, and sixteen EIA 232-D/CCITT V.24 asynchronous lines supporting speeds up to 19.2K bps and modem control.
DM316-AB	DECmux 300 Remote Terminal multiplexer hardware, factory set at 240V, including: two composite link ports, and sixteen EIA 232-D/CCITT V.24 asynchronous lines supporting speeds up to 19.2K bps and modem control.
DM316-BA	DECmux 300 Remote Terminal multiplexer hardware, factory set at 120V, including: two composite link ports, and sixteen DEC423 asynchronous lines supporting speeds up to 19.2K bps.
DM316-BB	DECmux 300 Remote Terminal multiplexer hardware, factory set at 240V, including: two composite link ports, and sixteen DEC423 asynchronous lines supporting speeds up to 19.2K bps.
DM332-BA	DECmux 300 Remote Terminal multiplexer hardware, factory set at 120V, including: two composite link ports, and thirty-two DEC423 asynchronous lines supporting speeds up to 19.2K bps.
DM332-BB	DECmux 300 Remote Terminal multiplexer hardware, factory set at 240V, including: two composite link ports, and thirty-two DEC423 asynchronous lines supporting speeds up to 19.2K bps.
DM308-Ax + CK DM316-W7	DECmux 300 field reconfigured to provide a mix of eight EIA232-D ports with modem control and sixteen DEC423 ports, data leads only.
DM316-Bx + CK-DM308-A7	DECmux 300 field reconfigured to provide a mix of eight EIA232-D ports with modem control and sixteen DEC423 ports, data leads only.

Other field upgrades will result in one of the above configurations and are also supported.

Block Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	702 blocks (359,000 bytes)
Disk space required for use (permanent):	620 blocks (317,000 bytes)

The block space requirements above refer to the disk space required on the down-line load host system disk. The sizes are approximations; actual sizes may vary depending on the user's system environment, configuration, and software options.

OPTIONAL HARDWARE

Use the following SHIELDED cables with each of the EIA 232-D asynchronous ports on the DECmux 300.

BC22D	Null modem cable for local terminal or printer connections.
BC22E	Full modem straight-through cable for asynchronous modem connections.
BC22F	Full modem straight-through cable for modem connections.
BC22R	Recommended null modem cable for host systems and other devices, including those that use CTS/RTS flow control.
BC17D	Null modem cable for host systems and other devices that do not use CTS/RTS flow control.

Use DECconnect cables with the DECmux 300 DEC423 ports

H3104-B	DS200 DEC423 CABLE KIT
H3125	DS200 DEC423 SHIELDED CABLE KIT

Use the following SHIELDED adapter cables to connect the MUXserver 300 and DECmux 300 composite ports to the data communication device DCE. Choose the correct cable for the required interface standard.

BC19F-02	2' V.35 Adapter Cable
BS19D-02	2' V.24 Adapter Cable
BC19B-02	2' RS449 Adapter Cable
BC19Y-10	10' Null Modem Unit Interconnect Cable
BC19C-02	2' X.21 Adapter Cable

Use the following extension cables with the above adapter cables:

BC19L-xx	V.35 Extension cable
BC22F-xx	V.24 Extension cable
BC55D-xx	RS449 Extension cable

The MUXserver hardware requires both a transceiver drop cable and Ethernet connection, H4000 or DELNI, to connect to the Ethernet physical channel. The following cabinet kits are available and are used to increase the number of physical connections of a DECmux 300 option.

Only one upgrade cabinet kit can be installed in the DM308-AA, DM308-AB, DM316-BA, DM316-BB options.

The DM316-AA, DM316-AB, DM332-BA, DM332-BB, options are fully configured and cannot be upgraded.

CK-DM308-A7	Upgrade cabinet kit, adding eight EIA 232-D/CCITT V.24 asynchronous ports, with modem control.
CK-DM316-W7	Upgrade cabinet kit, adding sixteen DEC423 asynchronous ports, data leads only.

Terminals Supported

The MUXserver/DECmux 300 software supports the following Digital terminal devices that have keyboards:

- LA34, LA35, LA36, LA38
- VT100, VT101, VT102, VT125, VT131
- VT220, VT240, VT241
- VT320, VT330, VT340, VT240

Supported terminal parameters are:

- Character size 7 data bits with Even, Odd, Mark, or None parity
- Character size 8 data bits with Even, Odd, or None parity

The automatic line speed detection (Autobaud) feature is supported for either seven-bit characters with even parity or eight-bit characters with no parity.

The MUXserver/DECmux 300 software also supports the following Digital Personal Computers (PCs) in both terminal emulation mode and terminal file transfer mode:

- Professional 325, 350, 380
- Rainbow 100A, 100B, 100+
- DECmate II, III
- VAXmate
- DECstation 212, 316, 325, 333

Note: This product is NOT WARRANTED to support non-Digital terminal devices or personal computers. However, terminals supporting VT200-like characteristics and personal computers supporting IBM® PC™, IBM PC/XT™, and IBM PC/AT™ characteristics may operate with this product.

Printers Supported

The MUXserver/DECmux 300 software supports the following Digital asynchronous printers when accessed from VAX and MicroVAX systems:

- LA50, LA75, LA100, LA120, LA210
- LJ250
- LQP02, LQP03
- LN03, LCG01
- LG01S, LG02, LG31

Modems Supported

For DECmux 300 asynchronous EIA 232-D ports:

DF01, DF02, DF03, DF112, DF124, DF212, DF242, and DF224 full-duplex asynchronous modems for either dial-in or dial-out use. Also supported are private- or leased-line modem applications.

CLUSTER ENVIRONMENT

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.

SOFTWARE REQUIREMENTS

VMS Operating System V5.0–V5.4

DECnet-VAX V5.0–V5.4

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
- Utilities

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

OPTIONAL SOFTWARE

None

GROWTH CONSIDERATIONS

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

DISTRIBUTION MEDIA

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

ORDERING INFORMATION

Software Media: QA-VT7A*-**
Software Documentation: QA-VT7AA-GZ
Software Product Services: QT-VT7A*-**

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

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