System Support Addendum

PRODUCT NAME: DECserver 500 for VMS, Version 2.1 **SSA 26.97.03-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 9000 Model 210,
VAX 9000 Model 410,
VAX 9000 Model 420,
VAX 9000 Model 430,
VAX 9000 Model 440

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

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

Processors Not Supported

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

Processor Restrictions:

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

The DECserver 500 software runs on any of the following packaged hardware options:

- DSRVS-**
- DSRVN-**
- DSRVM-**

** Denotes product variant models. For additional information, refer to the appropriate price book.

A maximum of eight line cards and two standby cards, in any combination, may be configured and shipped in a DECserver 500 series server unit. DECserver 500 series line cards are ordered separately for the above hardware units. The supported line card types are:

- CXA16-AA - 16-line EIA-423-A asynchronous multiplexer with single port speeds to 38.4K bps under specified application conditions, full-duplex. Uses EIA-423-A cables.
- CXY08-AA - 8-line RS-232 asynchronous multiplexer with single port speeds to 38.4K bps under specified application conditions, full-duplex.
- CXB16-AA - 16-line EIA-422 asynchronous multiplexer with single port speeds to 38.4K bps under specified application conditions, full-duplex.

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- CXM04-AA - 8-line coax A 3270 synchronous line card. Supported only on the DECserver 510 and DECserver 550 terminal servers. Requires the 3270 Terminal Option Software. Please refer to SPD 25.G5.00 for more information.

The above modules (except the CXM04-**) come with the 2 BCXXX cables that, depending on your desired connection, can be attached to the following:

Use the following SHIELDED cables with each of the physical lines depending on the connection required beyond the cable concentrator:

BC22D	Null modem cable for local terminal or printer connections
BC22E	Full modem straight through cable for 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 CXA16 option beyond the cable concentrator unit.

The DECserver 500 series hardware requires both a transceiver drop cable and either an Ethernet transceiver (H4000 for baseband or DECOM for broadband) or the Local Network Interconnect (DELNI) to connect to the Ethernet physical channel.

OPTIONAL HARDWARE

Terminals Supported

The DECserver 500 software supports the following Digital terminal devices that have keyboards:

- LA12, LA34, LA35, LA36, LA38
- All VTxxx terminals

Supported terminal parameters are:

- Character size: 7 or 8 bits per character
- Parity: Even, Odd, or None

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 DECserver 500 software also supports Digital Asian terminal device variants when accessed from VMS/Hanzi systems. Refer to the VMS/Hanzi SPD for a complete listing of supported devices.

The DECserver 500 software also supports Digital Asian terminal device variants when accessed from VMS/Japanese systems. Refer to the VMS/Japanese SPD for a complete listing of supported devices.

The DECserver 500 software also supports the following Digital Personal Computers (PCs) in both terminal emulation mode and file transfer mode:

- Professional 325, 350, 380
- Rainbow 100A, 100B, 100+, 190
- DECmate II
- DECmate III
- VAXmate
- DECstation

Note: This product is NOT WARRANTED to support non-Digital terminal devices or personal computers. However, terminals supporting VT100 or VT200-like characteristics and personal computers supporting IBM® PC™, IBM PC/XT™, and IBM PC/AT™ characteristics may operate with this product.

For supported 3270 type terminals on the CXM04 option card, please refer to the 3270 Terminal Option Software SPD 25.G5.00

Printers Supported

The DECserver 500 software supports the following Digital asynchronous printers when accessed from VMS systems:

- All LJ, LA, LQP, LXY, LN0, LG, and DTC printing devices.

The DECserver 500 software also supports Digital Asian printer device variants when accessed from VMS/Hanzi systems. Refer to the VMS/Hanzi SPD for a complete listing of supported devices.

The DECserver 500 software also supports Digital Asian printer device variants when accessed from VMS/Japanese systems. Refer to the VMS/Japanese SPD for a complete listing of supported devices.

Modems Supported

For a DECserver 500 series server with the CXY08 hardware option:

- DF03, DF112, DF124, DF224, DF242, DFM X.29 pad, and DECmodem V32 full-duplex asynchronous modems for either dial-in or dial-out use. Also supported are private or leased line modem applications, however, connections to data switches are NOT WARRANTED but may operate with this product.

For a DECserver 500 series server without the CXY08 hardware option:

- None

Block Space Requirements (Block Cluster Size= 1):

Disk space required for installation:	1300 blocks (665.6K bytes)
Disk space required for use (permanent):	1200 blocks (614.4K bytes)

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

The following add-on communications option card variants can be ordered and installed after the initial DECserver 500 series server installation.

- CXA16-AF - 16-line EIA-423-A asynchronous multiplexer with single port speeds to 38.4K bps under specified application conditions, full-duplex. Uses EIA-423-A cables.
- CXY08-AF - 8-line RS-232 asynchronous multiplexer with single port speeds to 38.4K bps under specified application conditions, full-duplex.
- CXB16-AF - 16-line EIA-422 asynchronous multiplexer with single port speeds up to 38.4K bps under specified application conditions, full-duplex.
- CXM04-AF - 8-line coax A 3270 synchronous line card. Supported only on the DECserver 510 and DECserver 550 terminal servers.

DECserver 500 users who wish to increase their session limit can order a DSRVS-UA upgrade package that consists of a KDJ11-SD processor line card and its associated installation guide.

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

Terminal Server Manager V1.3

3270 Terminal Option Software V1.1

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

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

ORDERING INFORMATION

Software License: QL-03KA9-AA
Software Media: QA-03KAA-H*
Software Documentation: QA-03KAA-GZ
Software Product Services: QT-03KA*-**
LAT Networks Concept Guide: AA-LD84B-TK

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

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

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