System Support Addendum

PRODUCT NAME: 3270 Terminal Option Software, Version 1.1 **SSA 25.G5.01-A**

HARDWARE REQUIREMENTS

Processors Supported

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

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

Other Hardware Required

- DECserver 550 or DECserver 510 Terminal Server
- CXM04-* Line Card

The 3270 Terminal Option Software is downline loaded to the CXM04-* option card that resides in a DECserver 550 or DECserver 510 Terminal Server. The 3270 Terminal Option software will only be supported in a DECserver 550 or DECserver 510 Terminal Server with accompanying CXM04-* option cards.

Minimum system configurations include:

The 3270 Terminal Option Software runs on the following hardware:

CXM04-AA (Factory Installed Option)

Communication option card for the DECserver 550 or DECserver 510 Terminal Servers. Supports IBM® 3270 CUT mode emulation terminals.

CXM04-AF (Field Installed Option)

Communication Option Card for the DECserver 550 or DECserver 510 Terminal Servers. Supports IBM 3270 CUT mode emulation terminals.

Processor Restrictions

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

Block Space Requirements (Block Cluster Size = 1):

Disk space required for installation:	1,000 blocks (512K bytes)
Disk space required for use (permanent):	900 blocks (461K 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.

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GROWTH CONSIDERATIONS

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

OPTIONAL HARDWARE

- BC58A-10
- H3107-F

The BC58A-10 is an optional coax cable assembly that can be used in conjunction with the H3107-F panel assembly. Customers wishing to rackmount the DECserver 550's can order the cable assembly allowing patching of all terminal connections to a Satellite Equipment Room rack.

IBM ® Terminals Supported

The 3270 Terminal Option Software supports the following IBM terminal devices that have keyboards:

- 3278 Models 2, 3, 4, 5
- 3279 Models S2A, S2B, S3G, 2X, 3X
- 3178 Models C2, C3, C4 (Also referred to as C20, C30, C40)
- 3179 Model 1 (Also referred to as Model 100)
- 3180 Model 1 (Also referred to as Model 110)
- 3191 Models A10, B10, A20, B20, A30, B30, (0 denotes North American)
- 3192 Models C10, C20, C30, D10, D20, D30 (0 denotes North American) Models CD0, CE0, CF0, DD0, DE0, DF0

IBM Terminal Keyboards Supported

- 87 key
- 102 key
- 104 key in 3278 emulation mode
- 122 key

The 3270 Terminal Option Software can only support 3270 class terminals that operate in CUT mode. It will not support 3270 class terminals that operate in DFT mode.

IBM or IBM-Compatible PCs With 3270 Emulation Packages Supported

Hardware	Software
DCA IRMA1	E78, E78PLUS V1.3
DCA IRMA2 (PCA & MCA)	E78PLUS V1.3
DCA IRMA3 (PCA & MCA)	E78PLUS V1.3
IBM 3278/79 PC Emulation Adapter	IBM PC Emulation Program, Entry Level V1.21
ATTACHMATE 3270 Emulation Adapter	EXTRA! V1.40, V1.41

MEMOREX-TELEX® Terminals and Keyboards Supported

Display	Keyboard
1091D	122TW
1092C	122TW
1191B	122TW
1191D	88TW
1192D	102 Enhanced
1192F	122TW
078-1	88TW
079-1	88TW
179-4	88TW
080-1	88TW
180-1	122TW

Cluster Controllers Supported

The following list includes CCUs that have been fully tested. Other IBM CCU models MAY operate with this product. This product is NOT WARRANTED to support non-tested IBM Cluster Control Units.

- 3174 1R, Configuration Support (CS) A, Rev. 3.2, REMOTE
- 3174 81R C.S. A Rev 3.2, REMOTE
- 3274 51C, C.S. C, Rev. 46.0, REMOTE
- 3274 31C, C.S. C, Rev. 46.0, REMOTE
- 3274 41D, C.S. D, Rev. 64.1, LOCAL

Warranty Limitations

This product is NOT WARRANTED to support non-IBM control units. However, IBM Control Unit Compatibles that support the IBM coax A data stream MAY operate with this product.

This product is NOT WARRANTED to support non-IBM terminal devices or non-IBM personal computers OTHER THAN THOSE LISTED ABOVE. The coax-A protocol that is understood by the 3270 displays and cluster controller is subject to interpretation by the plug-compatible vendors. As a result, (INCLUDING THOSE LISTED ABOVE) any non-IBM 3270 displays, PCs (with 3270 Emulation packages), or cluster controllers could exhibit certain anomolies that will vary from vendor to vendor, model to model, or revision level of the device.

DIGITAL will continue to qualify additional IBM and non-IBM 3270 display products, as well as explore opportunities to improve features, functionality, and performance. If you are planning to connect any non-IBM 3270 displays, PCs (with 3270 Emulation Packages), or cluster controllers to DIGITAL's 3270 Terminal Option Card, please contact your DIGITAL Customer Support Center for the latest information on your particular 3270 display products.

Foreign Language Keyboard Support

Version 1.1 extends support for additional foreign language keyboards. In addition to US, French, German and British supported in Version 1.0, the following keyboard tables are also supplied:

Danish	Italian
Dutch	Norwegian
Finnish	Spanish
Flemish	Swedish
French/Belgian	Swiss/French
French/Canadian	Swiss/German

Enhanced Support for Non-EAB and EAB Monochrome Displays

Non-EAB displays, such as the IBM 3278, IBM 3178 and IBM 3191, do not use an extended attributes plane to perform highlighting/bolding etc. Prior to Version 1.1, non-EAB displays attached to the CXM04, could not indicate any such attributes in VT-mode, making applications such as spellchecker difficult. Version 1.1 provides an option for a non-EAB display user to select or deselect 'ATTRIBUTE ON' in VT-mode Setup. When ATTRIBUTE ON is selected, highlighted words or fields are identified as blinking.

Enhanced support is also provided for EAB Monochrome displays such as the IBM 3180 and IBM 3192-D. These displays could only indicate limited attributes such as underlining. Support is now provided for reverse video as an indication of a bolded field.

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

For Load Hosts and Service Nodes

VMS Operating System V5.0 - V5.3

DECnet-VAX V5.0 - V5.3

DECserver 500 VMS V2.0

Note: The 3270 Terminal Option Software is installed on a VMS load host, which must contain DECnet-VAX (Phase IV). DECnet is used for down-line loading the 3270 Terminal Option Software into the CXM04 units and for other maintenance operations such as loop testing, upline dumping, and remote management.

All 3270 Terminal Option Software that runs on the CXM04 hardware is down-line loaded over the network from a DECnet-VAX Version 5.0 node. This node must be a valid VMS.

OPTIONAL SOFTWARE

Terminal Server Manager V1.3

VMS Tailoring:

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

- VMS Required Saveset

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

DISTRIBUTION MEDIA

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

ORDERING INFORMATION

Software Licenses: QL-VV9A*-**
Software Media: QA-VV9A*-**
Software Documentation: QA-VV9AA-GZ
Software Product Services: QT-VV9A*-**

* 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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