System Support Addendum

PRODUCT NAME: DECnet/SNA Gateway for Synchronous Transport, Version 1.2 **SSA 25.C6.02-A**

HARDWARE REQUIREMENTS

Processors Supported:

VAX:

VAX 4000 Model 200 (VMS Operating System only),

VAX 4000 Model 300 (VMS Operating System only)

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 9000 Model 210,
VAX 9000 Model 400 Series

VAXft 3000 Model 310 (VMS Operating System only)

VAX–11/730 (VMS Operating System only), 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 II/GPX

VAXserver:

VAXserver 3100, VAXserver 3300,
VAXserver 3400, VAXserver 3500,
VAXserver 3600, VAXserver 3602,
VAXserver 3800, VAXserver 3900,
VAXserver 100 (ULTRIX Operating System only),
VAXserver 2000 (ULTRIX Operating System only)

VAXserver 4000 Model 200 (VMS Operating System only),
VAXserver 4000 Model 300 (VMS Operating System only)

VAXserver 6000 Model 210,
VAXserver 6000 Model 220,
VAXserver 6000 Model 310,
VAXserver 6000 Model 320,
VAXserver 6000 Model 410,
VAXserver 6000 Model 420,
VAXserver 6000 Model 510,
VAXserver 6000 Model 520

RISC-Based Processors (VMS Operating System only):

DECstation:

DECstation 2100, DECstation 3100,
DECstation 3100s,
DECstation 5000 Model 120/125,
DECstation 5000 Model 120/125CX,
DECstation 5000 Model 120/125PX,
DECstation 5000 Model 120/125PXG,
DECstation 5000 Model 120/125PXG TURBO
DECstation 5000 Model 200,
DECstation 5000 Model 200CX,
DECstation 5000 Model 200PX,
DECstation 5000 Model 200PXG,
DECstation 5000 Model 200PXG TURBO

DECsystem:

DECsystem 3100,
DECsystem 5000 Model 100,
DECsystem 5000 Model 200,
DECsystem 5100, DECsystem 5400,
DECsystem 5500, DECsystem 5810,
DECsystem 5820, DECsystem 5830,
DECsystem 5840

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Processors Not Supported:

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

DECnet/SNA Gateway-ST needs at least one DECnet Phase IV node on the same Ethernet Local Area Network to act as a load host. That system needs to be a VAX-based system running the VMS or ULTRIX Operating System or a RISC-based system running the ULTRIX Operating System.

Every load host on which DECnet/SNA Gateway-ST 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 DECnet /SNA Gateway-ST.
- An appropriate device available to read the software during installation — Magnetic Tape or TK50 drive.

Disk Space Requirements (Block Cluster Size = 2):

Disk space required for installation:	VAX/VMS 3,700 blocks (1,850 Kbytes) VAX/ULTRIX 3,900 blocks (1,950 Kbytes) RISC/ULTRIX 4,700 blocks (2,350 Kbytes)
Disk space required for use (permanent):	VAX/VMS 3,300 blocks (1,650 Kbytes) VAX/ULTRIX 3,600 blocks (1,800 Kbytes) RISC/ULTRIX 4,500 blocks (2,250 Kbytes)

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.

In addition to disk space allocated to DECnet/SNA Gateway-ST software, some disk space (approximately 5,000 blocks) should be reserved for any dump files that may be generated by DECnet/SNA Gateway-ST. The location of these dump files is determined by the system administrator. In addition, each Gateway-ST configured will require additional disk space (at least 40 blocks (20 Kbytes)) for configuration scripts.

Communications Hardware Required:

DEC MicroServer:

DECnet/SNA Gateway-ST software runs on the DEC MicroServer unit, which is available in the following forms:

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

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

The DEC MicroServer uses 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 used. *Table 1* shows the cable numbers for each of the electrical interface types.

Table 1
Adapter Cables

Electrical Interface	Adapter Cable	Connector/ pinout
RS232-D/V.24	BS19D-02	ISO 2110
V.35	BC19F-02	ISO 2593

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

DEC MicroServer synchronous ports do not provide clock signals; an external clock source (such as a modem or modem eliminator) is required.

DEC MicroServer-SP:

DECnet/SNA Gateway-ST software runs on the DEC MicroServer-SP unit, which is available in the following forms:

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

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

The DEC MicroServer uses adapter cables to provide the necessary interchange circuits at the appropriate electrical interface types and ISO standard connections for each synchronous line. *Table 2* shows the cable numbers for the electrical interface types supported.

Table 2
Adapter Cables

Electrical Interface	Adapter Cable	Connector/ pinout
RS232-D/V.24	BS19D-02	ISO 2110

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

The DEC MicroServer-SP synchronous port does not provide clock signals; an external clock source (such as a modem or modem eliminator) is required.

OPTIONAL HARDWARE

Additional adapter cables (with the necessary extension cables and modems) to make use of additional synchronous lines on the DEC MicroServer, up to the maximum defined in the SPD.

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.

* VMS 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 Environment

VMS Operating System V5.4
DECnet–VAX V5.4

ULTRIX Environment

ULTRIX Operation System V4.2
DECnet–ULTRIX V4.2

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).

OPTIONAL SOFTWARE

The following chart is a cross reference to optional DECnet/SNA access routines that are available for use with DECnet/SNA Gateway-ST. Please consult the respective Software Product Descriptions for additional information.

Table 3
Access Routines

Access Routine	Supported Operating Systems			
	VMS	MicroVMS	MS–DOS®	ULTRIX
DECnet/SNA VMS APPC/LU6.2 Programming Interface V2.2 (SPD 26.88.xx)	Y	Y	N	N
DECnet/SNA VMS Application Programming Interface (SPD 26.86.xx)	Y	Y	N	N
DECnet/SNA Data Transfer Facility (SPD 27.85.xx)	Y	Y	N	N
DECnet/SNA VMS Distributed Host Command Facility (SPD 26.71.xx)	Y	Y	N	N
DECnet/SNA VMS DISOSS Document Exchange Facility (SPD 26.72.xx)	Y	Y	N	N
DECnet/SNA VMS Printer Emulator (SPD 26.70.xx)	Y	Y	N	N
DECnet/SNA VMS Remote Job Entry (SPD 26.85.xx)	Y	Y	N	N
DECnet/SNA VMS 3270 Data Stream Programming Interface (SPD 26.87.xx)	Y	Y	N	N
DECnet/SNA VMS 3270 Terminal Emulator (SPD 26.84.xx)	Y	Y	N	N
DECnet/SNA MS–DOS 3270 Terminal Emulator (SPD 30.63.xx)	N	N	Y	N
DECnet/SNA ULTRIX 3270 Terminal Emulator (SPD 29.88.xx)	N	N	N	Y
DECwindows DECnet/SNA 3270 Terminal Emulator for VMS, V1.0 (SPD 31.58.xx)	Y	Y	N	N
DECnet/SNA ULTRIX 3270 Data Stream Programming Interface, V1.0 (SPD 30.64.00)	N	N	N	Y

Y = Access Routine Software is supported by the operating system

N = Access Routine Software is not supported by the operating system

IBM Supported Configurations

The DECnet/SNA Gateway-ST software has been tested and warranted with the following IBM software configurations:

Table 4
IBM Software Configurations

Software Product	Version	Release
IBM MVS Environment		
MVS/SP	2	1.5, 1.7, 2.0
	3	1.0
ACF/VTAM	3	1.0, 1.1, 1.2
	3	2.0, 2.1, 3.0
ACF/NCP	4	2.0
	4	3.1
	5	1.0
	5	2.0, 2.1
IBM VM Environment		
VM/SP		4.1, 5.0, 6.0
VM/XA SP	1	2.0
ACF/VTAM	2	1.1, 2.0
	3	1.0, 1.1, 1.2, 2.0, 2.1, 3.0
ACF/NCP	4	2.0
	4	3.1
	5	1.0
	5	2.0, 2.1, 3.0
IBM DOS/VSE Environment		
VSE/SP	2	1.6
ACF/VTAM	2	2.0
	3	1.0, 1.1, 1.2, 2.0, 2.1, 3.0
ACF/NCP	4	1.0

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

This product is also available as part of the VMS Consolidated Software Distribution on CDROM.

ORDERING INFORMATION

Software License: QL-S01A9-AA
Software Media:
QA-S01AA-** (VAX/VMS)
QA-S01AB-** (VAX/ULTRIX)
QA-S01AC-** (RISC/ULTRIX)
Software Documentation:
QA-S01AA-GZ (VAX/VMS)
QA-S01AB-GZ (VAX/ULTRIX)
QA-S01AC-GZ (RISC/ULTRIX)
Software Product Services: QT-S01A*-**

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

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