

Mobile Communications

EDACS™
SYSTEM MANAGER
Port Expansion Options
SMDE5W
SMDE5X
SMDE5Y

Installation Manual

TABLE OF CONTENTS

INTRODUCTION3

 DESCRIPTION3

OPTION - SMDE5W3

 MATERIALS INCLUDED3

 INSTALLATION INSTRUCTIONS.....3

 Hardware3

 Software License3

OPTION - SMDE5X4

 MATERIALS INCLUDED4

 INSTALLATION INSTRUCTIONS.....4

 DECserver 700 installation.....4

 Software License4

 Installing DECserver Software5

OPTION - SMDE5Y5

 MATERIALS INCLUDED5

 INSTALLATION INSTRUCTIONS.....5

 DECserver 700 installation.....5

 Software License6

CREDITS

EDACS is a trademark of Ericsson GE Mobile Communications Inc.

DEC, DECserver, MicroVAX, ThinWire, ThickWire, VAX, and VMS are trademarks of Digital Equipment Corporation.

NOTICE!

The options described in this document provide extra ports for communication with peripheral devices or terminals only. Using these ports to communicate with more sites than your current license allows is a violation of the EDACS License Agreement!

INTRODUCTION

This manual provides instructions for adding additional ports to an existing System Manager installation. These additional ports are needed to communicate with advanced EDACS features such as CAD, Jessica, and database Import/Export. The following options provide you with a cost effective method to expand the number of communications ports.

DESCRIPTION

There are currently three options available for adding ports to a System Manager. The required option depends on the current System Manager configuration (A1 thru A5).

Option Number	System Configuration	Description
SMDE5W	A1 (model 40 only)	Adds 8 ports and a 4-user VMS license.
SMDE5X	A2	Adds a terminal server, terminal server software, and an 8-user license.
SMDE5Y	A3 thru A5	Adds a terminal server and an 8-user license.

For list of materials included with each option and installation instructions, refer to the section in this manual which applies to the specific option.

OPTION - SMDE5W (A1)

The following information applies to users adding the Port Expansion option SMDE5W to a System Manager with a standard A1 (DEC model 40 only) configuration.

This option adds eight device/terminal ports for communication with peripheral devices such as terminals. It also provides the additional licenses required to support four (4) of the added ports.

NOTE

This option provides additional device/terminal ports only. Using these ports to communicate with extra sites is a violation of the EDACS License Agreement.

MATERIALS INCLUDED

The following materials are included as part of the SMDE5W option:

Table 1 - Option SMDE5W

DEC Part Number	QTY	Description
QL-XULA9-BD	1	Open VMS/VAX interactive 4-user license
DHW42-CA	1	8-Line RS-232 Asynchronous communications interface for MicroVAX Model 40. Field Installable kit includes: <ul style="list-style-type: none"> • Internal Logic module with cable. • EIA-232 I/O Assembly. • Breakout Cable (BC29J-06)

INSTALLATION INSTRUCTIONS

The following procedures provide instructions for installing the Asynchronous interface into the MicroVAX computer.

Hardware

1. Install the Logic module and I/O Assembly in the System Manager - refer to the hardware installation instructions provided with the module.
2. Connect the 50-pin connector of the breakout cables to the asynchronous ports on the back of the System Manager (refer to the Hardware Options section of the MicroVAX Operator Information Guide).
3. Connect the four 25-pin EIA-232 connectors on the breakout cable to the peripheral.

Software License

Activate the 4-user License by entering the **Product Authorization Keys (PAK's)** into the System Manager - System Account. Follow the *Registering New VMS PAK's* procedure provided in the System Manager Installation Manual, LBI-38703.

This completes the installation process for Option SMDE5W. If you encountered any difficulties, refer to the *Troubleshooting* section in LBI-38703.

OPTION - SMDE5X (A2)

The following information applies to users adding optional Port Expansion SMDE5X to a System Manager with a standard A2 configuration.

This option adds eight device/terminal ports via a DECserver 700 Ethernet communications server. The server allows the System Manager to communicate with up to eight additional devices such as additional Integrated Multisite Controllers (IMC), Computer Aided Dispatch (CAD) terminals, or Telephone Interconnect switches. The option also includes the additional licenses required to support the added ports.

NOTE

This option provides additional device/terminal ports only. Using these ports to communicate with extra sites is a violation of the EDACS License Agreement.

MATERIALS INCLUDED

The following materials are included with the SMDE5X option:

Table 2 - Option SMDE5X

DEC Part Number	QTY	Description
DSRVW-FA	1	DECserver model 700-08.
DECXM-AA	1	ThinWire Media Access Unit (MAU) ethernet station adapter.
BNE4D-02	1	ThickWire Ethernet cable.
BC16M-06	1	ThinWire BNC coaxial cable (6 ft.).
H8223-00	1	BNC Tee connector (F/M/F).
QA-XA5AA-H5	1	VMS DECserver 700 Software. (TK50 and documentation)
QL-VDHA9-AA	1	Terminal Server Manager (TSM).
QA-VDHAA-H5	1	TSM Media (TK50) and documentation.
QL-XULA9-BE	1	Open VMS/VAX interactive 8-user license.

DSRVW-NA	1	DECserver 700 Country Kit (central Europe) - includes cordset, hardware manual, and rack-mount brackets.
DSRVW-LA	1	DECserver Country Kit (US/Canada) - includes cordset, hardware manual, and rack-mount brackets.
DSRVW-LE	1	DECserver Country Kit (UK/ROW) - includes cordset, hardware manual, and rack-mount brackets.

INSTALLATION INSTRUCTIONS

Use the following procedures to install the DECserver 700-08, Terminal Server software, and user licenses.

DECserver 700 installation

1. Install the DECserver 700-08. Refer to the hardware installation documentation provided in the country kit for your location and connect the DECserver to the input power source using the appropriate cordset.

If the DECserver is to be rack mounted, follow the instructions provided and fit the mounting brackets to the DECserver and mount the DECserver in the rack.

2. Connect the ThickWire Ethernet cable between the DECserver's Standard Ethernet connector and the Ethernet Transceiver (MAU). Refer to the Site cabling instructions in the documentation provided and the *System Configuration Diagrams* in LBI-38703. Essentially, adding a DECserver changes the System Manager from an A2 to an A3 configuration.
3. Install the BNC Tee connector on the Transceiver. Remove one of the BNC Terminators from the System Manager ThinWire Terminator and install it on one end of the DECserver Tee connector.
4. Connect the Thin Wire BNC coaxial cable between the DECserver Tee connector and the ThinWire Tee connector on the System Manager.
5. Using standard EIA-232 cables (not supplied), connect up to eight additional peripherals to the DECserver serial ports (25-pin male D-connectors).

Software License

Activate the 8-user License by entering the Product Authorization Keys (PAK's) into the System Manager -

System Account. Follow the *Registering New VMS PAK's* procedure in LBI-38703.

Installing DECserver Software

Using System Manager Install utility “**sminstall**,” load the Terminal Server Manager (TSM) software into the “test2” account. Refer to the procedures on *How to add a DECserver to a system that does not have TSM, DECserver or an existing DECnet network* in LBI-38703.

This completes the installation process for Option SMDE5X. If you encountered any difficulties, refer to the *Troubleshooting* section in LBI-38703.

OPTION - SMDE5Y (A3-A5)

The following information applies to users adding the Port Expansion option (SMDE5Y) to a System Manager with a standard A3 to A5 configuration.

This option adds eight device/terminal ports by adding an additional DECserver 700 Ethernet communications server to the system. The DECserver allows the System Manager to communicate with up to eight additional devices such as additional Integrated Multisite Controllers (IMC), Computer Aided Dispatch (CAD) terminals, or Telephone Interconnect switches. The option also includes the additional licenses required to support the added ports.

NOTE

This option provides additional device/terminal ports only. Using these ports to communicate with extra sites is a violation of the EDACS License Agreement.

MATERIALS INCLUDED

The following materials are included with the SMDE5Y option:

Table 3 - Option SMDE5Y

DEC Part Number	QTY	Description
DSRVW-FA	1	DECserver model 700-08.
DECXM-AA	1	ThinWire Media Access Unit (MAU) ethernet station adapter.
BNE4D-02	1	ThickWire Ethernet cable.

BC16M-06	1	ThinWire BNC coaxial cable (6 ft.).
H8223-00	1	BNC Tee connector (F/M/F).
QL-XULA9-BE	1	Open VMS/VAX interactive 8-user license.
DSRVW-NA	1	DECserver 700 Country Kit (central Europe) - includes cordset, hardware manual, and rack-mount brackets.
DSRVW-LA	1	DECserver Country Kit (US/Canada) - includes cordset, hardware manual, and rack-mount brackets.
DSRVW-LE	1	DECserver Country Kit (UK/ROW) - includes cordset, hardware manual, and rack-mount brackets.

INSTALLATION INSTRUCTIONS

Use the following procedures to install the DECserver 700-08 and user licenses.

DECserver 700 installation

1. Install the DECserver 700-08. Refer to the hardware installation documentation provided in the country kit for your location and connect the DECserver to the input power source using the appropriate cordset.

If the DECserver is to be rack mounted, follow the instructions provided and fit the mounting brackets to the DECserver and mount the DECserver in the rack.

2. Connect the ThickWire Ethernet cable between the DECserver's Standard Ethernet connector and the Ethernet Transceiver (MAU). Refer to the Site cabling instructions in the documentation provided and LBI-38703 section 2.1.4.
3. Install the BNC Tee connector on the Transceiver. Remove the BNC Terminator from the last Transceiver on the Ethernet network and install it on one end of the transceiver Tee connector.
4. Connect the Thin Wire BNC coaxial cable between the Transceiver Tee connector and the ThinWire Tee connector on the last Transceiver connected to the Ethernet network.
5. Using standard EIA-232 cables (not supplied), connect up to eight additional peripherals to the DECserver serial ports (25-pin male D-connectors).

Software License

Activate the 8-user License by entering the **Product Authorization Keys (PAK's)** into the System Manager -

System Account. Follow the *Registering New VMS PAK's* procedure in LBI-38703.



Ericsson GE Mobile Communications Inc.
Mountain View Road • Lynchburg Virginia 24502