COMPAQ

Software Product Description

PRODUCT NAME: Compaq 2780/3780 Protocol Emulator for OpenVMS VAX, Version 1.9 **SPD 25.07.19**

DESCRIPTION

The *Compaq 2780/3780 Protocol Emulator (PE) for OpenVMS VAX* emulates the synchronous line protocol used by an IBM 2780 or 3780 remote batch terminal. The emulator provides the OpenVMS user with a mechanism for transferring data between the host operating system and another system equipped to handle 2780 or 3780 communications protocols.

The emulator can be invoked interactively or via a command procedure. The emulator's command set is designed to let several users share a communication line. With the appropriate modem options, the emulator is capable of automatically answering incoming calls.

Sophisticated operations can be performed by a combination of command procedures, allowing, for example, unattended operation. Unattended operations include the ability to detect an incoming call, to establish the connection, and then to transmit, and to receive files and recover from transmission failures, all without the intervention of an operator.

The PE supports several data formats; a particular format is selected via a user's command. Users can select various control translation schemes, variable record lengths or card images, ASCII EBCDIC translation, and BSC transparency. The OpenVMS record management facility performs all file I/O. Data can be sent to files representing print and punch streams; the format of files sent to one "stream" can differ from the format sent to the other "stream."

Features

The following IBM remote job batch terminal features are supported by the *Compaq 2780/3780 Protocol Emulator for OpenVMS VAX* :

- 2780 extended and multiple record option
- Variable horizontal forms control
- BSC transparency
- 3780 space compression
- BSC point-to-point configurations (multipoint is not supported)

The product can run up to four physical lines, each with a different set of line attributes (for example, some can be 2780 lines, others 3780) at speeds between 1200 bps and 9600 bps per line, depending on the processor.

INSTALLATION

Installation services from Compaq are recommended for a customer's first purchase of this software product. These services provide for installation of the software product by an experienced software specialist.

HARDWARE REQUIREMENTS

Processors Supported

VAX configurations as specified in the OpenVMS Operating System for Alpha and VAX Software Product Description (SPD 25.01.xx)

Processors Not Supported

- MicroVAX 2000
- VAX-11/7xx
- VAXstation 2000, 31xx, 8000, and VLC

Note: *Compaq 2780/3780 Protocol Emulator for OpenVMS VAX* is not supported on VAXserver systems.

Synchronous Communications Devices

Compaq 2780/3780 Protocol Emulator for OpenVMS VAX requires a synchronous communications interface that is appropriate to the VAX processor employed.

	Communications Interface	Maximum Interfaces (Synchronous Lines)
Business Systems:	DSH32-BA	1 (1 line)
	DSH32-EA	1 (2 lines)
	DSW41/42	1 (1 or 2 lines)
	DSW21	1 (1 line)
Q-bus Systems:	DPV11	2 (2 lines)
	DSV11	1 (2 lines)
UNIBUS Systems:	DMF32	2 (2 lines)
VAXBI Systems:	DMB32	2 (2 lines)
(VAX 8700, 8800, 89xx, 9xxx)		4 (4 lines)
VAXft	DSF32	2 (4 lines)

Where more than one type of interface is shown in the table above, only one type of interface should be selected. Mixed configurations are not supported.

Maximum supported line speed for all configurations is 9600 baud.

Disk Space Requirements (Block Cluster Size = 1)

Disk space required for installation:	650 blocks (333 KB)
Disk space required for use (permanent):	600 blocks (307 KB)

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.

SOFTWARE REQUIREMENTS

- OpenVMS Operating System for VAX, Version 6.2, 7.1, 7.2, 7.3 (SPD 25.01.xx)
- Compaq DECnet-Plus, Version 6.3, 7.1, 7.2, 7.3 (SPD 25.03.xx)

Note: Using *Compaq 2780/3780 Protocol Emulator for OpenVMS VAX* requires the WANDD portions of DECnet-Plus. However, a DECnet-Plus license is not required.

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

This product is available as part of the OpenVMS Software Product Library (Consolidated Software Distribution) on CD–ROM.

SOFTWARE WARRANTY

This software is provided by Compaq with a 90-day conformance warranty in accordance with the warranty terms applicable to the license purchase.

WARRANTY LIMITATIONS

Compaq has designed this software according to the specifications for IBM 2780 and 3780 data transmission terminals as defined in IBM documents GA27-3005 and GA27-3063, respectively.

ORDERING INFORMATION

Software Licenses: QL-111A*-AA
Software Documentation: QA-111AA-GZ
Software Product Services: QT-111A*-**

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

SOFTWARE LICENSING

This software is furnished under license from Compaq Computer Corporation. The license includes the software necessary for installing and running 2780/3780 protocol emulation on OpenVMS Alpha systems, but excludes any hardware. The license is valid for a given CPU. For more information about Compaq's licensing terms and policies, contact your local Compaq office.

License Management Utility Support

This layered product supports the OpenVMS License Management Facility. License units for this product are allocated on an Unlimited System Use basis.

For more information on the License Management Utility, refer to the OpenVMS Operating System Software Product Description (SPD 25.01.xx) or the License Management Facility maunal of the OpenVMS Operating System documentation set.

SOFTWARE PRODUCT SERVICES

Installation

Installation provides comprehensive installation and of Compaq and non-Compaq hardware, software, and networks products. These products include systems, servers, upgrades, workstations, terminals, PCs, peripherals, network equipment, operating systems, and layered products. Optional pieces of the Installation offer include site planning and preparation, orientation, and other projects which are based on the installation of computer equipment (e.g. relocation services).

License Subscription

License Subscription provides the license rights to use all new versions of those products, which are released during the contract period. Also included are the rights to use certain server-resident products whose license is included in a corresponding client license.

Telephone Software Support

Software Support provides software problem identification and resolution and operational support for system managers, technical support/helpdesk personnel who manage Compaq and popular multivendor server software in either a standalone or networked environment. This service provides access both to technical resources to assist in problem diagnosis and resolution and to Compaq's information database. This combination of support resources will address system management questions and inquiries on a wide variety of topics including information on the latest product features, known problems and available solutions, and operational advice and assistance to help the system manager, system administrator better manage its information technology environment.

Please contact your local Compaq office for additional information on specific services in your area.

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