Software Product Description

PRODUCT NAME: DEC SoftPC for VMS, Version 2.2 **SPD 32.18.00**

DESCRIPTION

DEC SoftPC for VMS provides VAXstation users with the ability to operate DOS based software. The SoftPC product emulates an IBM® PC/AT system (real mode only) using standard VAX hardware and VMS software. A DOS application functions in the SoftPC environment as it functions on an IBM PC AT providing it does not require special hardware, protected mode memory or copy protected diskette.

DEC SoftPC supports DECwindows as well as the VT220. As such, it can be executed on any VMS system and displayed on a VT220 or a local or remote DECwindows X Windows display station. For example, a VAX 8600 can be used for execution and a VAXstation 2000 running the VMS Operating System can act as the display. Additionally, it supports the DECwindows text cut and paste facility.

The performance of the SoftPC facility is dependent upon a number of factors as well as the speed of the processor upon which it executes. A VAXstation 3100/38 system yields slightly under 6mhz IBM PC/AT CPU performance with arithmetic applications. Graphics applications may be slower.

Applications used with the SoftPC emulator (except those DOS utilities included with the SoftPC software) are not Digital licensed, warranted or supported products. The user must comply with the terms and conditions of each application software license agreement in effect between the user and application supplier.

Communications applications may not operate in a like manner to a real PC due to differences in signalling on the VAX processor and the PC processor and the way in which the VAX processor handles interrupts. Many communications programs do work correctly and it is recommended these programs be tried before purchasing SoftPC.

Emulated Environment

CPU - 80286 (real mode only) plus 80287 numeric co-processor

ROM BIOS - AT BIOS

Operating System - DOS Version 3.3

Diskette - 3.5 in. high density read/write, low density read only 5.25 in. high density read/write. No low density support. Copy protection only suported with SLAVEPC - the ability to attach and use a real PC floppy as your own. No floppy support on RQDX3 controllers

Hard disk - C and D drives. Up to 32 MB each. E drive uses native file system.

Communications port - COM1 and COM2 map to the system serial ports

Printer - LPT1, LPT2 map to serial ports or spooled device

Memory - 640k

Expanded Memory - LIM 4.0 up to 32mb

Video - CGA, HERCULES or EGA - or MDA on VT220

Keyboard - AT enhanced

Mouse - Microsoft bus mouse emulated

Clock - CMOS clock

CMOS RAM - Emulated as a file

Not supported - Special hardware, protected mode memory, PC network functions

Functional Features

Operational Control

- Setup Devices - Allow the user to set up disk, comms, display and memory
- Flush Ports - Flushes any remaining data from comms or printer ports
- Attach drive A - Allows user to attach real or slave floppy drive

- Edit - Cut/Paste functions (Refer to Edit Functions section)
- Attach/Detach Mouse - Allows user to make workstation mouse be PC mouse
- Switch sound on/off - Workstation beeps if sound generated by PC
- Customize - Allows for PC to turn off when another window in use
- Freeze/Unfreeze - Suspends/resumes all PC activity
- Restart - Reboots PC
- Exit - Exits from SoftPC

Edit Functions

Copy - Replicates selected text from the SoftPC window and places it into a memory buffer.

Paste - Inserts text from the memory buffer into the current location of the active SoftPC window

Select all - Creates a selection of all text in a SoftPC window

Multiple Sessions

A user may operate multiple sessions of SoftPC on a workstation screen without requiring additional license units. All other use requires one license per session.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation or VAXserver configuration as specified in the System Support Addendum (SSA 32.18.00-x).

SOFTWARE REQUIREMENTS*

For Systems Using Terminals: (No DECwindows interface)

- VMS Operating System

For Workstations Running DECwindows:

- VMS Operating System (and necessary components of VMS DECwindows)

* Refer to the System Support Addendum (SSA 32.18.00-x) for availability and required versions of prerequisite/optional software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses: QL-YNWA9-P*
Upgrade License: QL-YWBA9-P*
Software Media: QA-YNWAA-H*
Software Documentation: QA-YNWAA-GZ
Software Product Services: QT-YNWA*-**

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

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LICENSE MANAGEMENT FACILITY SUPPORT

This layered product supports the VMS License Management Facility. License units for this product are allocated on a user basis.

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

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SOFTWARE PRODUCT SERVICES

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SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

Warranty Limitations

Digital does not guarantee that every single PC application will run although it has been tested with several hundred.

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