

# Software Product Description

PRODUCT NAME: **VAX PCL, Version 2.0**

**SPD 26.23.04**

## DESCRIPTION

The VAX PCL driver is an optional VMS software product that supports interprocessor communications via the PCL11 hardware option. The VAX PCL driver provides a message-oriented data communications capability between user software located in up to 16 processors linked into a local area network by the PCL11, multi-dropped parallel bus.

A user-oriented message of variable length can be directed to any other single receiving node during each transmission transaction. Both VAX and PDP-11 processors can be mixed on the same PCL11 local network. The VAX PCL driver is compatible with the PCL-11M driver for RSX-11M.

The VAX PCL driver also supports interprocessor communication via the DECnet-VAX network software package (DECnet-VAX must be licensed separately). The PCL11 hardware and VAX PCL driver supports all of the features of DECnet-VAX except downline loading. Mixed networks of VAX and RSX-11M DECnet nodes may be implemented. VAX PCL is provided as source code only.

## Features

- Multi-point operating mode in which the PCL11 connects up to sixteen nodes in a local area network.
- Supports DECnet-VAX or user-implemented network management software.
- A nonprivileged QIO interface to the PCL11 for using PCL11 as a raw data channel.
- Node attention conditions are transmitted through attention ASTs.
- Full duplex operation.

## HARDWARE REQUIREMENTS

VAX configurations as specified in the System Support Addendum (SSA 26.23.04-x).

## SOFTWARE REQUIREMENTS \*

VMS Operating System

\* Refer to the System Support Addendum for availability and required versions of prerequisite/optional software (SSA 26.23.04-x).

## ORDERING INFORMATION

Software Licenses: QL-S33A\*-\*\*

Software Media: QA-S33AA-\*\*

Software Documentation: QA-S33AA-GZ

\* 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 the licensing provisions of Digital Equipment Corporation's Standard Term and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

## LICENSE MANAGEMENT FACILITY

This layered product supports the VMS License Management Facility.

License units for this product are allocated on a CPU-capacity basis.

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

For more information about Digital's licensing terms and policies, contact your local DIGITAL office.

## SOFTWARE WARRANTY

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

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# System Support Addendum

PRODUCT NAME: **VAX PCL, Version 2.0**

**SSA 26.23.04-A**

## HARDWARE REQUIREMENTS

### *Processors Supported*

VAX: VAX 8600, VAX 8650

VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785

### *Processors Not Supported*

VAX: VAX 6210, VAX 6220, VAX 6230, VAX 6240, VAX 6310, VAX 6312, VAX 6320, VAX 6330, VAX 6333, VAX 6340, VAX 6350, VAX 6360, VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840, VAX 8842, VAX 8974, VAX 8978

VAX-11/725, VAX-11/782

MicroVAX: MicroVAX I, MicroVAX II, MicroVAX 2000, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation I, VAXstation II, VAXstation 2000, VAXstation 3100, VAXstation 3200, VAXstation 3500, VAXstation 8000

VAXserver: VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 6210, VAXserver 6220, VAXserver 6310, VAXserver 6320

### *Block Space Requirements (Block Cluster Size = 1):*

Disk space required for installation: 336 blocks (172K bytes)

Disk space required for use (permanent): 96 blocks (49.2K 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.

## OPTIONAL HARDWARE

None

## VAXCLUSTER 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

VMS Operating System V5.0

### *VMS Tailoring Classes*

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

- VMS Required Saveset
- Network Support
- Programming Support

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

## OPTIONAL SOFTWARE

None

## 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.

## DISTRIBUTION MEDIA

Tape: 9-Track 1600 BPI Magtape

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Software Documentation: QA-S33AA-GZ

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The above information is valid at time of release. Please contact your local DIGITAL office for the most up-to-date information.