Software Product Description

PRODUCT NAME: DRX11-C/VMS Driver, Version 6.0 **SPD 26.64.02**

DESCRIPTION

The DRX11-C/VMS device driver provides the user with the capability to access the DRE11-C/DRQ11-C double buffer DMA interfaces (16-bit parallel). Programs written in MACRO-32, VAX-11 FORTRAN or VAX-11 PASCAL can communicate with the hardware interface under the VMS Operating Systems through the $QIO System Service.

This version is available in Europe only.

Features

- Supports single word transfers
- Supports single block transfers
- Supports multiple block transfers - The user establishes two buffers in main memory and the interface switches automatically between them. The contents of one buffer are processed while the other buffer is being read/written. Thus data can be transferred continuously in a cyclic manner.
- Supports large buffer block transfers - The buffer size is restricted only by the amount of free physical memory available.
- Supports the use of direct or buffered datapath
- Supports burst mode
- Supports direction change
- Supports reading and writing of status and function bits
- Supports the interface reset
- Supports special interrupt processing - If connected to attention AST, user defined interrupts are handled by executing user written routines.
- Supports QIO Interface - Provides the functionality described above through direct access to the driver with the VMS System Service. The user therefore must be familiar with the QIO calling procedures.

Driver exerciser and test programs are provided to verify the correct installation and functionality of the DRX11-C/VMS driver.

A programming example is provided for a computer link between:

- (Micro)VAX/VAX
- (Micro)VAX/PDP (with DRX11-C/RSX driver, SPD 12.72.xx).

HARDWARE REQUIREMENTS

VAX, MicroVAX or VAXstation configuration as specified in the System Support Addendum (SSA 26.64.02-x)

- One DRE11-C or DRQ11-C interface
- Hardware capable of reading one of the distribution media upon which this product is offered.

SOFTWARE REQUIREMENTS*

- VMS Operating System

OPTIONAL SOFTWARE*

- VAX-11 FORTRAN (for demonstration programs)
- VAX-11 PASCAL (for demonstration programs)
- ADF01/VMS Subroutine Library (with ADF01-A optional hardware)
- AAF01/VMS Subroutine Library (with AAF01-B optional hardware)

* Refer to the System Support Addendum for availability and required versions of the Prerequisite/Optional Software (SSA 26.64.02-x).

ORDERING INFORMATION

Software Licenses: QL-S36A*-**

Software Media: QA-S36A*-**

Software Documentation: QA-S36AA-GZ

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

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.

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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 VMS Operating System documentation set.

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