

# Software Product Description

**PRODUCT NAME:** DEC OSF/1® TURBOchannel/VME Adapter Driver,  
Version 2.0

**SPD 48.50.01**

## DESCRIPTION

The TURBOchannel/VME I/O Subsystem provides a flexible interface to the VMEbus. This enables the attachment of a wide variety of specialized input/output devices that have been developed for the VMEbus.

The TURBOchannel/VME I/O Subsystem was developed as an option for RISC/ULTRIX TURBOchannel workstations and servers. This product (Digital part number DWTVX-AB), is supported by the ULTRIX Operating System. Such support is not included in the DEC OSF/1 Operating System. The DEC OSF/1 TURBOchannel/VME Adapter Driver provides the required support of the TURBOchannel/VME Adapter in certain AXP systems running the DEC OSF/1 Operating System.

The TURBOchannel/VME Adapter is a set of two option modules and an interconnecting cable. The "A" module occupies one slot on a TURBOchannel bus. The "B" module occupies one slot of size "6U" on a VMEbus. The DWTVX-AB thus provides a TURBOchannel to VME bridge. The Adapter Driver supports this bridge and is prerequisite for support of devices residing on the VME so that they can communicate with the TURBOchannel AXP system. The Adapter Driver alone does not support any VME devices. Appropriate device drivers must be provided for the required VME options. These device drivers will utilize the Adapter Driver to gain access to the device(s) on the VMEbus.

Memory mapped (mmap) I/O via the TURBOchannel/VME Adapter is *NOT* supported. Read-modify-write is *NOT* supported. Direct Memory Access (DMA) and Programmed I/O modes are supported.

## CONFORMANCE TO STANDARDS

The TURBOchannel/VME I/O Subsystem conforms to ANSI/IEEE STD. 1014-1987 IEEE Standard for a Versatile Backplane Bus: VMEbus.

## HARDWARE REQUIREMENTS

Processor and/or hardware configurations as specified in the System Support Addendum (SSA 48.50.01-x).

## SOFTWARE REQUIREMENTS

The DEC OSF/1 Operating System

Refer to the System Support Addendum (SSA 48.50.01-x) for availability and required versions of prerequisite /optional software.

## ORDERING INFORMATION

Software Licenses: Q2-GMLA9-AA  
Software Media/Documentation: Q2-GMLAA-H8  
Software Documentation: Q2-GMLAA-GZ  
Software Product Services: Call Digital Services Sales Support at (800) 832-6277 or (603) 884-8990

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

## SOFTWARE LICENSING

This software is relicensable in conjunction with the Digital TURBOchannel/VME I/O subsystem hardware.

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

### *License Management Facility Support:*

This product is licensed on an Unlimited System Use basis.

This product does not support the License Management Facility.

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**SOFTWARE PRODUCT SERVICES**

A variety of service options are available from Digital. For more information, contact your local Digital office.

**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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# System Support Addendum

PRODUCT NAME: DEC OSF/1® TURBOchannel/VME Adapter Driver,  
Version 2.0

SSA 48.50.01-A

## HARDWARE REQUIREMENTS

### *Processors Supported*

Alpha AXP: DEC 3000 Model 300 AXP Workstation  
DEC 3000 Model 300 AXP Server  
DEC 3000 Model 400 AXP Workstation  
DEC 3000 Model 400 AXP Server  
DEC 3000 Model 500 AXP Workstation  
DEC 3000 Model 500 AXP Server  
DEC 3000 Model 500X AXP Workstation  
DEC 3000 Model 600 AXP Workstation  
DEC 3000 Model 600 AXP Server  
DEC 3000 Model 800 AXP Workstation  
DEC 3000 Model 800 AXP Server

### *Processors Not Supported*

Alpha AXP: DEC 4000 Model 610 AXP System  
DEC 7000 Model 610 AXP System  
DEC 10000 Model 610 AXP System

VAX and RISC based processors are not supported.

### *Other Hardware Required:*

DWTVX-AB TURBOchannel/VME Module Set

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

Disk space required for installation:  
Root file system: 1.2 MBytes  
Other file systems: 0 MBytes

Disk space required for use (permanent):  
Root file system: 1.2 MBytes  
Other file systems: 0 MBytes

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

### *For Systems Using Terminals:*

- DEC OSF/1 AXP Operating System V 1.3

## 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

CD-ROM

## ORDERING INFORMATION

Software Licenses: Q2-GMLA9-AA

Software Media/Documentation: Q2-GMLAA-H8

Software Documentation: Q2-GMLAA-GZ

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