



Release Notes

DEC FDDIcontroller/TURBOchannel Type II Software Microcode

Firmware Version: 2.4
Part Number: AA-Q3YCC-TE

February 1995

******* IMPORTANT SOFTWARE REQUIREMENT NOTICE *******

DEC FDDIcontroller/TURBOchannel models DEFTA-AA, DEFTA-DA, and model DEFTA-UA, are supported under the following Digital Equipment Corporation operating systems ONLY:

- Digital OSF/1 V1.3 with patches .osf-v1.3-27may94.tar.Z patch kit
- Digital OSF/1 V2.0 with patches .osf-v2.0-27may94.tar.Z patch kit
- Digital OSF/1 V3.0 or later
- OpenVMS Alpha V6.1-1H2, or later, supports models DEFTA-AA, DEFTA-DA, DEFTA-FA and model DEFTA-UA
- OpenVMS VAX V6.1, or later, supports model DEFTA-FA. Support for models DEFTA-AA, DEFTA-DA, and model DEFTA-UA is planned for the next release after V6.2.

Use of models DEFTA-AA, DEFTA-DA, or model DEFTA-UA with operating systems other than those listed above, or without the above-mentioned patches, can result in unreliable operation, including loss of data.

Please contact your nearest Digital Customer Support Center to obtain the proper operating system patches.

Introduction

These release notes describe the DEC FDDIcontroller/TURBOchannel Type II Software Microcode used with the DEC FDDIcontroller/TURBOchannel controllers (models DEFTA-AA, DEFTA-DA, and DEFTA-UA only).

Description

The DEC FDDIcontroller/TURBOchannel (hereafter referred to as the controller) is an FDDI controller that complies with the ANSI X3T9.5 FDDI standard and Digital Equipment Corporation's TURBOchannel I/O bus specification.

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The controller provides TURBOchannel-based computers with a direct link between the computer's TURBOchannel slot and a Fiber Distributed Data Interface (FDDI) network. The controller hardware is shipped from the factory with the DEC FDDIcontroller/TURBOchannel Type II Software Microcode preloaded. The controller consists of one card that plugs into the computer's TURBOchannel I/O slot.

DEC FDDIcontroller/TURBOchannel Type II Software Microcode is the dedicated microcode that runs on the controller.

The Type II Software Microcode resides in electronically alterable memory within the controller hardware, and can be updated via a host CPU firmware load utility if new versions of the microcode are issued. The microcode is maintained in the hardware base even during power-off states.

Features

General features of the DEC FDDIcontroller/TURBOchannel Type II Software Microcode include the following:

- Performs initialization of the DEC FDDIcontroller/TURBOchannel
- Performs diagnostic self-test automatically at power-up and also when requested by the host CPU
- Performs FDDI station management (SMT) based on the ANSI X3T9.5 SMT Version 7.2
- Supports full-duplex mode (point-to-point between two cooperating full-duplex stations *only*)
- Maintains all DEC FDDIcontroller/TURBOchannel counters
- Accepts host-initiated load of new firmware under control of a host CPU load utility and/or system console utility
- Supports remote boot via bootP requests
- Supports Digital's Maintenance Operations Protocol (MOP)
- Provides error logging and error recovery for both hardware and firmware failures

Hardware Requirements

The following controller hardware is required to run the Type II Software Microcode:

- DEFTA-AA — Single attachment station (SAS) with multimode optics and ST-type connectors
- DEFTA-DA — Dual attachment station (DAS) with multimode optics and ST-type connectors; includes connector for attachment of external optical bypass relay (OBR)

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- DEFTA-UA — Single attachment station (SAS) with shielded RJ-45 modular connector. Accepts Category 5 unshielded twisted pair (UTP) or Category 5 sheath-shielded, 100-ohm twisted-pair (TP) cable with TP-MIC plug

The Type II Software Microcode runs independently of any host CPU operating system; however, system support for the DEFTA options listed above is dependent on the version of your operating system. Support must be confirmed by referring to the most current Digital host operating system Software Product Description (SPD) or equivalent.

Growth Considerations

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

Ordering Information

This initial Version 2.2 software product is provided preinstalled by the factory in its pre-requisite hardware, and can *not* be ordered separately.

Software Licensing

There is *no* software license associated with this initial version of the Type II Software Microcode. Any subsequent updates to this software will be issued under the terms of a Software Replication License (SRL).

Software Warranty

This software is provided “as is,” without any associated warranty.

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