Software Product Description

PRODUCT NAME: ITI Developer's Toolkit™, Version R1.2.1   **SPD 39.78.00**

DESCRIPTION

ITI Developer's Toolkit is a Digital Distributed Software product from Eicon Technology Corporation. Interactive Terminal Interface (ITI) provides a variety of convenient ways for terminal emulation software to communicate with X.25 packet switching networks.

A total of five separate interfaces are included in the ITI Developer's Toolkit. Four interfaces communicate through the EiconCard™ with the X.25 network. The fifth interface performs the PAD management functions.

BIOS Interface (Int14h)

In the PC there are a series of BIOS system calls designed for communicating over asynchronous communications ports (COM ports). The ITI package allows these system calls to be called in the standard manner. However, data sent to/from the communication port is intercepted and redirected to/from the DS206 communication controller.

DOS Driver Interface (Int21h)

As an alternative to the Int14h interface, DOS system calls may be used through Int21h. While Int21h is principally intended for use with disk files, the ITI provides device names "ITI_0" through "ITI_7" that may be used in the system calls just like disk file names.

8250 Emulation

This interface is mainly useful for existing software that directly accesses the 8250 asynchronous communications controller (USART). This is a low-level interface that involves programming of a virtual 8250 communications controller.

This interface is best suited for those with existing 8250 access software as substantial programming knowledge of the 8250 controller is required. (See the IBM® PC technical reference for details on the 8250 communication controller.)

BASIC Compiler Interface

This interface provides access to X.25 networks from a compiled BASIC program. ITI equivalents of BASIC keywords such as OPEN and CLOSE are provided. This interface is supplied as an object file that is linked with the compiled BASIC object files.

PAD Control Interface (Int2Fh)

The Int2Fh system call interrupt was originally designed for use with printers. It has subsequently evolved into what is now known as the multiplex interrupt. The ITI package provides a PAD Control Interface through this interrupt.

HARDWARE REQUIREMENTS

Processors Supported

80286-, 80386-, and 80486-based Digital personal computers

SOFTWARE REQUIREMENTS

*   Microsoft® Windows™ Version 3.0
    or

    MS–DOS® Version 3.3 or higher

*   OSI PC Gateway™ for DOS Version V2R2 (see SPD 38.93.xx)
    or

    OSI LAN Gateway™ for DOS Version V2R2 (see SPD 38.76.xx)

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

Software License, Documentation, and Media (5.25-inch and 3.5-inch floppy disks): QB-MN9AA-WW

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