

Software Product Description

PRODUCT NAME: SSS Device Drivers Library, Version 3.0 SPD 46.56.00

DESCRIPTION

SSS Device Drivers Library, a software product developed for Digital Equipment Corporation, is especially designed to provide application programmers with an easy and simple interface to the various peripheral devices of Digital's Self Service systems. Each individual peripheral device, e.g., Badge Card Reader/Writer, Statement Printer, Cash Dispenser, is supported by a software module that provides a standard Application Program Interface (API). SSS Device Drivers Library runs under a standard MS-DOS® operating system environment. SSS Device Drivers Library hides low-level interfaces to the peripheral devices underneath the API. It also adds the feature of asynchronous input/output operations to the peripheral devices to allow parallel device I/O activities, thereby minimizing transaction turnaround time.

Features

The SSS Device Drivers Library provides the following features:

- APIs to all peripheral devices in Digital's Self Service systems
- Support of asynchronous input/output operations
- Application control of each individual peripheral device
- Return of all detected hardware error and status information to the calling application

APIs to All Peripheral Devices in Digital's Self Service Systems

SSS Device Drivers Library provides APIs to all peripheral devices included in Digital's Self Service systems:

- WB10 Compact Statement Terminal
- WB11 Compact Information Terminal
- WB21 Compact Cash System
- WB22 Full Function Delivery System

Support of Asynchronous Input/Output Operations

SSS Device Drivers Library provides asynchronous I/O operations to time critical peripheral devices. In the MS-DOS operating system environment, I/O operations are normally suspensive, which results in a blocked application during the I/O operation. In the Self Service application environment this is not acceptable, mainly because it impacts badly on the transaction turnaround time. SSS Device Drivers Library has implemented an interrupt controlled software layer to support asynchronous I/O operations.

Application Control of Each Individual Peripheral Device

SSS Device Drivers Library provides the application programmer with an adequate repertoire of commands and controls applicable to all of the individual peripheral devices. This feature gives the application programmer the advantage of detailed control over the peripheral devices to optimize functionality and performance.

Return of All Detected Hardware Error and Status Information to the Calling Application

SSS Device Drivers Library provides basic controls to detect device malfunction and manage exception situations. The error reporting also provides the basic information to monitor the performance of the individual devices.

HARDWARE REQUIREMENTS

Processors Supported

Minimum IBM® PC/AT® 16 Mhz or compatible personal computer with a minimum 2 MB of RAM is recommended.

Memory Requirements

Typically 64 KB to 128 KB of RAM depending on the configuration. Less than 1 MB of available hard disc space is required.

Processor speed, volatile memory, and minimum hard disc space are determined by the overall application software performance requirements.

Digital's Self Service Systems

- WB10 Statement Terminal
- WB11 Information Terminal
- WB21 Compact Cash System
- WB22 Full Function Delivery System

SOFTWARE REQUIREMENTS

MS-DOS Release 5.0 at a minimum

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

3.5-inch rigid diskette

ORDERING INFORMATION

Software License: QL-0RHAW-AA

This license supports a single configuration of one Self Service system.

Software Kits:

QA-0RHAA-HC For use with WB10, WB11, and WB21

QA-0RHAB-HC For use with WB22

The kit contains Documentation and Media.

Software Documentation:

For use with WB10, WB11, and WB21

AA-PY2DA-TE *SSB Device Drivers Library MS-DOS, Programmer's Guide*

For use with WB22

AA-PYAMA-TE *System Software Application Interface, Programmer's Guide and Reference Manual*

AA-PYALA-TE *Software Installation and System Management Reference*

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