

Software Product Description

**PRODUCT NAME: SSS Compatibility Software Package,
Version 1.0**

SPD 46.82.00

DESCRIPTION

SSS Compatibility Software Package is the assembly name of a group of software products developed by Digital Equipment Corporation. The first version of this package enables Digital's Self Service cash delivery system, WB11 Compact Cash System, to be network compatible with Diebold™ 911/912 network interfaces.

It provides the capability to interact with existing ATM networks and provides compatibility with mainframe and network software packages operating with Diebold 911/912 and interfaces. The SSS Compatibility Software Package provides a smooth integration into existing ATM networks while keeping the enhanced functionality, superior customer interface, and transaction speed of Digital's cash delivery systems.

The SSS Compatibility Software Package supports a range of standard functions from the Diebold 911/912 interface. The functions supported allow Digital's Self Service systems to be smoothly and easily integrated into existing ATM networks, requiring limited changes that affect only the configuration data. At the same time, the enhanced functionality, superior customer interface, and transaction speed of Digital's cash delivery systems are all retained.

Software Architecture

The SSS Compatibility Software Package is based on Digital's Self Service software platform, including SSS Application Services and SSS Device Drivers Library. The software resides on the PC, which controls and manages the Self Service system, and runs as an independent application. The application contains consumer and operator, as well as host communications interface. The software accepts commands and configuration data downloaded from the network. The network information is processed and responded to according to the defined interfaces. The product is based on an open architecture philosophy and complies with established standards for personal computer hardware and software.

Features

- Supports Diebold 911/912

- Accepts configuration data
- Accepts operational and function commands
- Status reporting in Diebold 911/912 format
- Transaction processing as defined by state data flow, transaction requests, and host function commands
- Adheres to Diebold 911/912 DES encryption scheme
- Multiple line protocol support

Diebold 911/912 Emulation Software

The Diebold 911/912 Emulation Software enables fast and easy installation of Digital's Self Service systems into networks operating with Diebold 911 or 912 interfaces or other terminals with a similar interface. Emulation software supports both 911 and 912 interfaces and includes extensions compatible with those added by Diebold in their MDS 1000 range of terminals.

In addition to the configuration for Diebold compatibility, extended configuration options enable an improved dialogue by taking advantage of the graphics capabilities of the screen. The software enables staff with little or no technical expertise to handle routine maintenance. A simple menu-driven operator interface makes the "feed and care" procedures fast and easy to handle.

Accepts Configuration Data

The SSS Compatibility Software Package accepts configuration data downloaded from the network in the form of states, screens, Financial Institution Tables (FITs), miscellaneous parameters, and timer data and encryption key updates.

A configurable option enables downloaded configuration data to be saved to disk, and automatically restored at power-on, precluding the need for a further host download.

Accepts Operational and Function Commands

The terminal accepts operational commands to place it "in service," "out of service," or to provide terminal configuration information.

The Print Immediate function command is accepted while the terminal is out of service, enabling end-of-day totals printing, as defined by the host.

Transaction Processing

When the "in service" command has been received, the software enters the transaction processing mode. This mode includes functions to read a card, enter and validate PINs, display menus, and accept amounts or other information under the control of the download configuration data. Card track and entered keyboard data is sent for host authorization via a Customer Request message. The host responds with a Function Command message, which specifies any further processing, such as dispense, deposit, print, etc.

Adheres to Diebold 911/912 DES Encryption Scheme

In order to secure transaction data and consumer information, the SSS Compatibility Software package has integrated support for the Diebold 911/912 encryption scheme, including local and host PIN verification and encryption key updates from the host. Message Authentication Code (MAC) checking is also supported.

Multiple Line Protocol Support

This product is currently configured to support the following line protocols:

- SNA/SDLC LU 0
- BSC 3273/3174 ASCII/EBCDIC

HARDWARE REQUIREMENTS

Processors Supported

Minimum IBM® PC 386 SX 20/33 Mhz or compatible personal computer

Memory Requirements

Minimum 2 MB of RAM and 4 MB of available hard disc space.

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

Digital's Self Service Systems

- WB21 Compact Cash System

The WB21 Compact Cash System must be configured with the following options:

- LCD display with Diebold emulation
- Security Module HTR
- Hand-held terminal for secure key entry

SOFTWARE REQUIREMENTS

MS-DOS® Release 5.0 at a minimum

SSS Device Drivers Library V3.0

SSS Application Services V2.0 (including Background Routines)

SSS Protocol Library V2.0

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 diskette

ORDERING INFORMATION

Software License: QL-0S2AW-AA

This license supports a site limited to the configuration of one Self Service system.

Software Kit: QA-0S2AA-HC

The kit contains one Software License, Documentation, and Media.

Software Documentation:

AA-PY3BA-TE *Diebold Compatibility S/W, Operator's Guide*

AA-PY3MA-TE *Diebold Compatibility S/W, Configuration Manual*

AA-PY3NA-TE *Diebold Compatibility S/W, Installation Guide*

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