

Software Product Description

**PRODUCT NAME: Application Services Library Device, (ASL) Version 1.1.5
SPD 43.00.03**

DESCRIPTION

Application Services Library (ASL) is a set of functions to facilitate application development tasks on the Digital Financial Business Systems platform. The library services remove the tasks of creating complicated device, configuration, and error handling functions. ASL provides a link between TFM user applications and common services needed by the applications.

ASL products "hide" the complexity of the client-server architecture from the application programmer by providing simple interfaces.

This SPD describes the ASL Device functionality, which consists of:

- Teller Printer UPS
- Teller Printer UPS Development Kit
- Teller Cash/Note Dispenser UPS
- Keyboard Badge Card Reader
- Device Access Manager
- Teller Printer TPR

The Teller Printer UPS is available in two flavours, once complete package and one Development Kit.

Teller Printer UPS provides an easy user interface to Digital's P6327 /90 All Purpose Printer or P6372/73 Teller Printer, Olivetti's PR 50 or IBM[R]'s 4722 (6330) connected to a PC workstation. Applications that need complete control of the printer, when a spooling queue is not sufficient, need the teller printer UPS. Banking teller applications need this control when, for example, a passbook needs to be updated. A printer can be shared among workstations if the Device Access Manager (see below) is resident on the workstation. The Teller Printer UPS handles different kinds of forms, i.e., A4, check, passbook, etc. Before printing, the application loads the appropriate form.

The Teller Printer UPS Development Kit consists of a general package with which the customer can write own printer specific modules. An example with the PR50 (Olivetti printer) implementation is included as an example.



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Teller Cash/Note Dispenser UPS (TND)

Teller Note Dispenser UPS provides an interface for the note dispensing application in the De La Rue Cash Dispenser and the InterInnovation.

It has a customizable configuration file for notes and cassettes, an algorithm for automatic note mix calculation, and counters for tracking statistics as in number of dispensed and rejected notes. The teller application does not need to know the type of dispenser used.

Keyboard Badge Card Reader

Keyboard Badge Card Reader Driver makes it possible to read a Badge card from a keyboard (P2816) under MS[R]-Windows[TM] 3.0. The driver can read tracks 2 and 3 on the badge card and is directly accessible from TFM.

Device Access Manager

Device Access Manager gives an application, via LAN, access to devices or other resources in another workstation. The workstation does not need to be declared as a server to contain server utilities, reducing license fees.

HARDWARE AND SOFTWARE REQUIREMENTS

For Workstations

Hardware:

PC Hardware:

- Industry standard PC and communication board as supported by TFM V3.1 (SPD 44.19.xx)

Primary memory:

- Approximately 4-5 Mbytes recommended

Secondary storage:

- Mbytes minimum

Software:

- Operating system: MS-DOS[R] 5.0 or later
- Window Handler: MS[R]-Windows 3.1 or 3.11
- TFM 3.1.5

For Servers

Hardware:

- Industry standard PC as supported by SCO[TM] UNIX[R] and DECadvantage.
- Primary memory: 16 Mbytes recommended for 4-5 workstations
- Secondary memory: 426 Mbytes disk for 4-5 workstations

Software:

- SCO UNIX v/386 R3.2 Version 4 (SPD 32.52.xx, European SPD 33.31.xx)
- Ethernet using OSI or TCP/IP protocols

Servers should be combined with a Windows PC workstation as described above.

Requirements for the Local Area Network:

- DECadvantage: Ethernet using OSI or TCP/IP

For Workstations

Hardware:

- DE203, DE204, DE205 Ethernet Controller or compatible

Software:

- OSI for DOS Version 6.0.x
- TCP for DOS Version 6.0.x

For Servers

Hardware:

- Enhanced LAN Processor (ELP) or DE203, DE204, DE205 Ethernet controller

Software:

- OSI TP4 streams or OSI TP4 for ELP Release 3.5 or later
- WIN/TCP Release 4.0 or later
- Ethernet software for ELP when running WIN/TCP

DISTRIBUTION MEDIA

ASL products are distributed on 3.5-inch diskettes. The diskettes are MS-DOS formatted.

ORDERING INFORMATION

ASL Device products are delivered as a Distributor Package, containing media, documentation, and one license.

QB-0B4AB-AA ASL WS WIN DEVICE Distributor Package

The following Software licenses are available separately

Part number	Description
QL-0AXAW-AA	Teller Printer UPS
QL-2NUAW-AA	Teller Printer UPS Dev Kit
QL-2NVAW-AA	Teller Cash/Note Dispenser UPS:
QL-0B0AW-AA	Keyboard BCR Driver
QL-0B1AW-AA	Device Access Manager:

License packages (QL) are defined for larged volumes. These packages are defined for project sizes up to 10,000 workstations.

The following ASL Device documentation is also available separately

Part Number	Description
AA-PTH2D-TE	ASL for Windows Installation Guide
AA-PTGTC-TE	ASL Teller Printer UPS Programmers Guide
AA-Q58RA-TE	ASL Teller Printer UPS Development Kit, Programmers Guide

AA-PTGVB-TE	P6390 MS-DOS Reference Manual
AA-PTGWA-TE	P6390 Application Programmers Guide
AA-PTGXA-TE	P6373 MS-DOS Reference Manual
AA-PTGYA-TE	P6373 Application Programmers Guide
AA-Q58SB-TE	ASL TXD-UPS Programmers Guide
AAQA5VA-TE	MultiFunction Business Keyboards User`s Guide
AA-PTH4B-TE	ASL DAM Users Guide

GROWTH CONSIDERATIONS

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

SOFTWARE LICENSING

This software is furnished only under a license. For more information about Digital's licensing terms and policies, contact your local Digital office.

SOFTWARE PRODUCT SERVICES

A variety of service options are available from Digital. These include project services which are available to design and implement custom banking solutions.

Service offerings for this product which include telephone or electronic assistance, will be available during the normal business hours of the local DIGITAL office (typically, Monday through Friday, 8AM-5PM dependent on country resources), excluding locally observed DIGITAL holidays.

For additional information contact your local Digital office.

INSTALLATION

Digital recommends that a customer's first purchase of this software product include Digital Installation Services. These services provide for installation of the software product by an experienced Digital Software Specialist.

For subsequent purchases of this product, only experienced customers should attempt installation. Digital recommends that all other customers purchase Digital's Installation Services.

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Digital Sales and License Agreement.

The above information is valid at time of release. Please contact your local Digital office for the most up-to-date information.

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