



ALLMY PAPERS™

IrdLIB SDK

Print Image Replacement Documents Software Development Kit

IrdLIB SDK Prints IRDs

- Convert Data from X9.37 file
- Composes IRD with ANSI Standard
- Verify MICR Code Line Option
- Secure printing environment
- Print on a variety of duplex laser printers

IrdLIB

The SDK is a High Level Programming System for Windows™ application development. IrdLIB consists of a COM Object, Dynamic Linked Libraries (DLLs) associated import libraries, header files, and sample code source.

The SDK is compatible with many Windows software development languages:

- C, C++, C#, Visual Basic, Java

IRD printing requires two components:

- Application built with IrdLIB SDK
- XipPRINT software installed on the workstation controlling the printer

IrdLIB Benefits

- Accurate
- X9.100-140 Compliant
- Secure
- Auditable
- Fast
- Wide choice of printers
- Rapid Integration
- Economical licensing

IrdLIB is designed for

- Software Application Developers
- System Integrators
- VARs
- Corporate Development Departments

Accurate, Simple, Conforming, Secure, Auditable, Fast and Comprehensive IRD Printing SDK



Converts & Prints

- Converts X9.37 files to valid printed IRDs
- Converts CSV file to valid printed IRDs

Production Proven

- Currently in use at some of the top U. S. banks

Verification Option

- Voting algorithm to compare external MICR result and IrdLIB OCR results
- Dual pass MICR OCR

Conforms to ANSI Standard

- X9.100-140 (9.90) Compliant
- Supports All IRD Types
 - Forward Original
 - Return Original
 - Forward Subsequent
 - Return Subsequent
 - Qualified Return Original
 - Qualified Return Subsequent

- Generates IRD creator routing number and creation date from user input parameters

Print Functions

- Keeps the check image files in their compressed state until delivered to the printer
- Drives printers at rated speed and has been field tested at rates of over 270 IRDs per minute
- Compatible with a wide variety of duplex laser printers such as HP, Lexmark, Ricoh/Hitachi, Troy, Source Technology
- Operates on standard duplex laser printers
- Printing can be local, networked or remote
- Prints 1, 2, 3, or 4 IRDs per page
- Support for batch separator pages
- Supports reverse printing front and back for working with bursters and sorters

Secure

- MICR font unloaded after printing
- Generates a CSV value for each IRD produced
- Supports security barcode on IRD

Solutions For All Your Papers

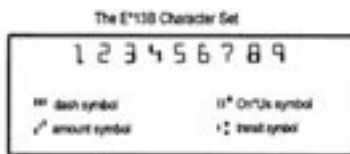
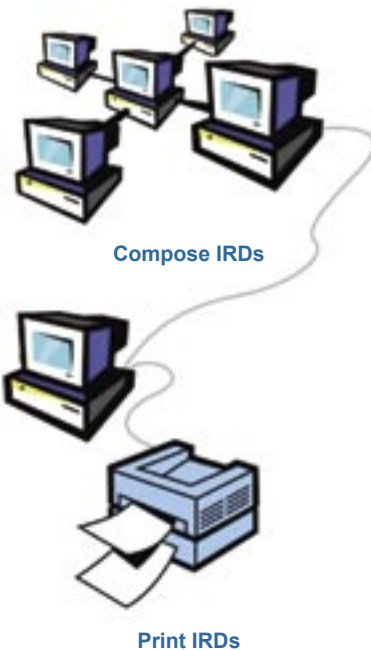




IrdLIB SDK

Print Image Replacement Documents Software Development Kit

The IrdLIB SDK converts, composes, and verifies check image data and then prints valid IRDs in a secure environment on a wide variety of duplex laser printers.



Print and Read MICR Fonts

Product Description

IrdLIB delivers accurate and fast conversion of check image data from X9.37 or CSV files into valid Image Replacement Documents. IrdLIB reflects the latest implementations and rules by the Federal Reserve Board of the ANSI Standard because the principals of All My Papers are voting members of the X9 committee that develops the standards for IRDs and X9.37 files. IrdLIB is X9.100-140 (9.90) compliant.

IrdLIB has two major components

1. Composing valid IRDs from the appropriate records in X9.37 files. This can be done on client side PCs using our COM Object based functions that would be incorporated into you custom application.
2. Printing happens at the workstation that has logical control of the IRD printer(s) and has the XipPRINT DLL and runtime software installed.

The advantage of this arrangement is that a number of networked PCs can produce the IRDs and centrally located and secure PC can print the IRDs. Network traffic is minimized because the check image data is compressed until it arrives at the printer.

Verification Option

Verification means comparing the results of the MICR data in the X9.37 file and the MICR data on the check image. This optional function will OCR the MICR data from the check image. Typically this is used to verify that MICR data on the check image is identical to the data in the bank's databases. Many bank databases have incomplete data for the ON-US field. IrdLIB can repair missing ON US data or flag the check as an exception

Security

IrdLIB addresses security in number of ways:

- Custom MICR Fonts are downloaded to the printer at the time of printing and then unloaded at the completion of the print job.
- IrdLIB can access and implement secure fonts in MICR printers from the Troy Group or Source Technologies.
- Only PCs with XipPrint installed can print IRDs
- Auditable files are generated tracking the creation of each IRD
- Creator routing number and creation date are tracked and printed on each IRD
- No cost optional bar code with data such as payee, amount, account number can be printed to deter fraud.

Printing

IrdLIB can be implemented on a variety of duplex laser printers. Standard printers from HP and Lexmark with MICR toner, high speed printers from Ricoh/Hitachi that produce 250 IRDs per minute and secure MICR printers from the Troy Group or Source Technologies. IRDs can be printed one at a time or in batches with separator pages. IRDs can be printed 1, 2, 3 or 4 up to work with bursters and sorters.

Economical Licensing

The SDK has a one time fee and comes with runtime licensing for development and testing. Runtime license is then placed on the PC controlling the printer. There are no per click charges.

Minimum System Requirements

- Operating system: Windows XP Pro, 2000 Pro, or NT
- CPU: Pentium 4, 2 GHZ, 512MB RAM
- Printer: PCL 5e compatible
- Duplex
- MICR Toner Cartridge



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