

## A Secure Document and Information Exchange Solution



TrustField™ Secure Lightweight Information and File Transfer (SLIFT) is a secure document exchange software that is ideal for both B2B operations and business users. It employs the use of high level security practices such as PKI and 2-factor authentication to assure the integrity and authenticity of file deliveries based on international standards such as NIST FIPS and RSA PKCS. More importantly, the ease of use has won SLIFT wide adoptions by many users.

# SLIFT Pro v1.0s



## General Description

SLIFT Pro v1.0s is a Client-Server Solution for B2B operations where a dedicated server provides secure document storage and facilitates secure document transfer among multiple parties on the open network. It gives high assurance of data confidentiality, integrity and optionally, non-repudiation of document delivery receipt. While documents are protected by encryption and signature in accordance with the PKCS#7 standard, control between the client and server is secured by Secure Socket Layer (SSL). It provides a flexible architecture to support any PKCS#11 compliant cryptographic tokens in a plug-and-play manner. In addition, the storage of the private key in a hardware-based token allows for 2-factor authentication, and heightens the level of security.

SLIFT Pro Client allows users to sign documents with personal digital signatures and to encrypt specifically for designated recipients (supports multiple senders and multiple recipients). As a document receiver, it allows authorized users to submit electronic documents designated for him or her; download them securely over the open network; decrypt the content, and verify their integrity and authenticity from the sender's signature.

The two different variations of SLIFT Pro clients are able to support interactive file transfer (SLIFT Pro iClient) and also automated transfer (SLIFT Pro AT), which allows jobs to be despatched on a regularly timed basis.

As for the SLIFT Pro Server, it allows authorized SLIFT Pro Clients to submit electronic documents securely over the open network to other SLIFT Pro Client users or application servers. In addition, it provides secure audit log of transactions to enable users to track document transfer status.

To simplify the use of the software, a user friendly key generation utility software (KeyPeer) is included in the package.

## Operating Environments

SLIFT Pro Client runs on:

- Windows 2000/XP on Intel platform

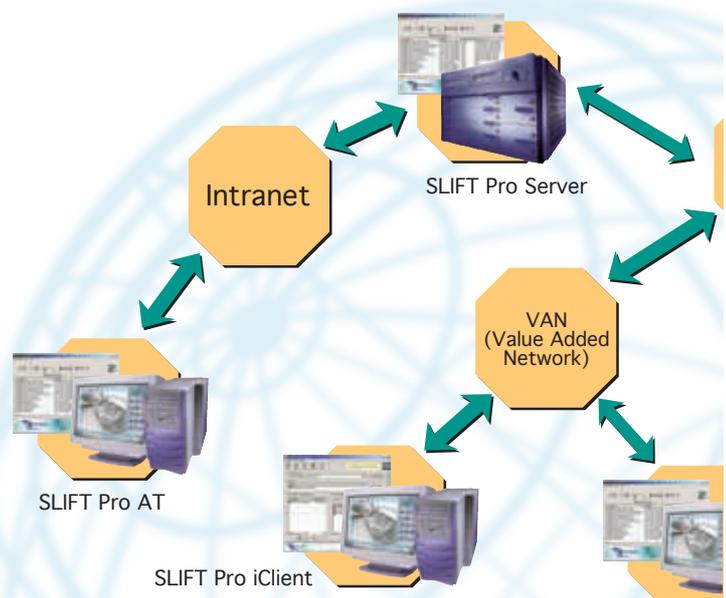
SLIFT Pro Server runs on:

- Windows 2000/XP on Intel platform
- Unix (Solaris 8 and above)

## Key Features and Benefits

- Sending/receiving of documents over the internet, extranet and intranet securely and efficiently.
- Protection of files in accordance with PKCS#7 standard – Confidentiality, Non-Repudiation, Integrity and Authenticity.
- End-to-end security – files not decrypted until it reaches the intended recipient.
- 2-factor authentication based on PKCS#11 cryptographic token technology – use of physical tokens.
- Provides available channel security using SSL for transport encryption.
- Key Management by using certificates and private keys.
- File Management at the server based on file size, file date and file owner.
- Delivery management based on sender, recipient and X.509 certificates.
- SLIFT Pro AT supports scheduling while SLIFT Pro iClient supports interactive file transfer.
- Supports multiple signatures on the same document to align with business workflow and approval processes.
- Use of digital certificates issued by both Enterprise Certification Authorities (CAs) and publicly recognized CAs. The communicating parties need not use the same CA for protection needed.
- International standards compliance for both cryptography and file transport mechanism.

## SLIFT Pro Components and Deployment Diagram



# SLIFT Ez v1.4



## General Description

SLIFT Ez v1.4 is a desktop/laptop file encryption software based on strong cryptography technology for protecting stored files from any unauthorized access, or worse, alterations. It is particularly important for users who possess sensitive data files in their computers or servers. SLIFT Ez v1.4 could help minimize damage if, for example, a virus/Trojan Horse causes mass mailing of confidential files from your hard disk to unintended recipients.

It provides a flexible architecture to support any PKCS#11 compliant cryptographic tokens in a plug-and-play manner. In addition, the storage of the private key in a hardware-based token allows for 2-factor authentication, and heightens the level of security.

SLIFT Ez v1.4 is easy to use with friendly interface, intelligently designed for file protection through strong encryption. The files could be stored in local hard disks and public servers securely in locked format. More importantly, the protected files may be sent to your friends/colleagues through different channels such as Email, FTP or HTTP.

SLIFT Ez v1.4e is also available as an integrated function within Microsoft Outlook\*. This allows you to send your locked message, files / attachments through Microsoft Outlook. The intended recipients of the protected file simply unlock the files using the SLIFT Ez v1.4e software.

To simplify use of the software, a user-friendly key generation utility software (KeyPeer) is included in the package.

\* SLIFT Ez v1.4e can be plugged-in to Lotus Notes too with some level of integration efforts using PrivyLink's plug-in template.

Internet



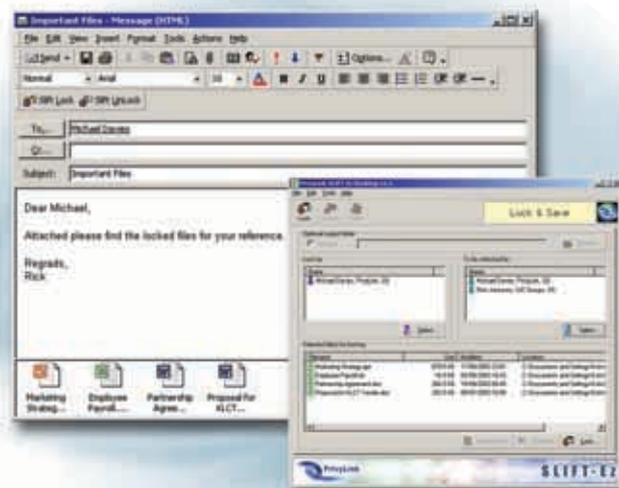
SLIFT Pro iClient



SLIFT Pro AT

## Key Features and Benefits

- Simple and easy to use.
- Ideal for PC users with private information on hard disks such as payroll, financial data, resume, etc.
- Protect your file(s) from being browsed by virus and Trojan Horse when you connect your computer to Internet.
- 2-factor authentication - use of physical tokens.
- Protect your file(s) from being browsed or altered by unintended users when you leave your PC unattended or in case your desktop/ laptop is stolen or lost.
- Secure sharing of files on a file server among a selected group of users.
- Allow protected files to be safely exchanged by email, FTP or HTTP.
- Document protection supports multiple signers and multiple recipients.
- Seamless integration with Microsoft Outlook.
- Can be upgraded to provide guaranteed real-time delivery by integrating with SLIFT Pro Server.
- Simple but effective tool for risk management.



## Operating Environments

SLIFT Ez runs on:

- Windows 98 SE/ME/2000/XP on Intel platform

SLIFT Ez Plug-in runs on:

- Windows 98 SE/ME/2000/XP on Intel platform
- Microsoft Outlook Version 2000/2002
- Lotus Notes Version 5.x

## Security Standards Compliance

SLIFT Pro v1.0s and SLIFT Ez v1.4 are designed to meet high security requirement and are compliant with various international standards including:

- PKCS#1, #5, #7, #8, #11, #12
- RSA 2048-bit Encryption and Digital Signature
- US NIST FIPS-46-3 Triple-DES/DES Cryptographic Algorithm
- US NIST FIPS-180-1 Secure Hash function (SHA-1) Message Digest Algorithm

For more information, please visit our website at: <http://www.privylink.com/> or contact us through email: [sales@privylink.com.sg](mailto:sales@privylink.com.sg)

*Specifications are subject to change without prior notice.*

