



emSigner

AI Enabled Document Processing Automation

Enable secure paperless workflows to change your customer experience while creating a single source of truth for compliance

Convenience, Compliance, and Cost are some of the primary reasons why firms today are striving to take the paperless route. However, to reap in all the rewards of secure paperless transformation, it's imperative that they select a solution that evolves with the industry and the ever-changing business landscape globally. With various regulations around privacy and data protection as well as availability of advanced technologies such as Artificial Intelligence, there is a lot more to going paperless.

emSigner is eMudhra's solution to the paper problem that haunts many organizations across all industries today. Being an AI enabled document processing automation platform, emSigner not only powers electronic signing workflows to transform customer experience but also uses AI to help manage your risk governance better.

Artificially Intelligent using Machine Learning

emSigner can leverage Machine Learning models to drive decision driven document workflows based on predictive analytics. Examples include assessing the risk of a potential borrower as part of a loan application or determining the scholarship eligibility as part of a student enrollment process.

Optical Character Recognition (OCR)

All documents uploaded are pushed through the OCR engine to extract actual text within the document. This allows emSigner to search deep into the document rather than just on the title and support advanced searches on things like, "how many documents exist which have an indemnity obligation."

Integrations with Tally, SAP, Salesforce and Sage

The predefined integrations allows users of these major ERP and CRM platforms to quickly sign, transfer and check the authenticity as well as integrity of documents generated using these platform on the go. Along the way this integration will help organizations to meet legal compliance and make electronic contracts enforceable.

Powerful Flexiforms and Workflows

emSigner's workflows support predefined templates or flexiforms that permit user input as part of a document submission process. These flexiforms are not your conventional flexiforms. They are hardwired to support any unconventional size, which is useful for use cases such as diploma printing.

Artificial Intelligence... OCR.. Digital Signatures... Encryption.. Workflow.. Timestamping.. Collaborative Editing...

Collaborative Editing

emSigner allows you to seamlessly create, review and edit documents collaboratively with complete tracking and version control. This allows easy creation and management of contracts, which when finalized can be sent to multiple external parties for signing.

On-prem Deployments

Unlike any other product in the industry, emSigner supports on-prem deployment — in both stand-alone deployment mode and deployment mode that require high availability and scalability.

Bulk Signing (Both Signing & Sending, and Sending & Signing)

Bulk signing feature offered by emSigner is a convenient way for users to sign multiple documents in one go, thus saving substantial time in opening the document and signing them one by one. This unique feature supports both sign & send and send & sign functionality, where multiple people receive customized copies of the document for signing purpose.

Support for Remote Signing

emSigner supports remote signing of documents using long lived and one time cryptographic key pairs that are generated in an HSM on the server. This avoids the need for a crypto-token in jurisdictions where this is mandatory. This methodology of signing is used in India, the US, Europe and Malaysia. Out of the box, emSigner supports eSign remote signing in India. emSigner's remote signing service uses eIDAS compliant signatures.

Support for API's and Signer Gateway

External applications can easily integrate with emSigner with either powerful API's or Signer Gateway. The signer gateway works like a payment gateway and allows for easy signing of documents by various users as part of a workflow.

Supports Blockchain Integration

emSigner supports pushing data into Blockchain systems such as Hyperledger or Ethereum to maintain tamper proof logs for documents that are signed.

The Benefits

- Up to 80% Savings on Paper Based Cost
- Single Source of Trust
- Complete Security with full audit trails
- Strong customer experience
- Scalability and Flexibility

Key Features

- Comprehensive Workflow Management
- User Friendly UI/UX
- Standard & Flexiforms
- Hybrid Secure QR Technology
- End-to-End Encryption
- Access to Cloud Document Stores
- Open API Stack
- 2 Factor Authentication
- Bulk Document Creation
- Bulk/Selective Signing
- Pre-integrated Signature Pads
- LTV Signatures and Time-stamping API for Long Term Archival of documents
- Document Inter-linkage
- Mobile App
- Access Management

Technical Specifications

- **Recommended Hardware**
 - Processor: 2 * Quad Core Processors
 - RAM: 32 GB
 - HDD: 1 TB SAS HDD
- **OS Compatibility**
Windows Server 2008+
- **DB Compatibility**
MySQL
- **Security Compliance**
 - ISO 27018
 - GDPR
- **Algorithms and Standards**
 - AES 256, SHA 256, RSA Signing
 - PKIX, X.509 v3, XAdES, PAdES
- **Web Services/API**
 - AES 256, SHA 256, RSA Signing
 - PKIX, X.509 v3, XAdES, PAdES
- **Algorithms and Standards**
SOAP, REST
- **Protocols**
JWT, HTTP, HTTPS, SMTP, FTP, SFTP, WSS, LDAP, Auth 2.0
- **Data Format Supported**
PDF, XML, JSON, DOCX, XLS, PPTX

Use Cases

- **Enterprise Use Cases**
 - Finance** - Invoice Signing | Credit and Debit Notes | Others
 - HR** - Offer letter | Agreement | Others
 - Legal** - Contracts | Director Filings | Others
- **Industry Wise Use Cases**
 - Financial Services** – Peer-to-peer Lending | Contract Management | Others
 - Education:** eDiplomas | Electronic Transcripts | Paperless Education | AI Based Predictive Scoring for Student Loans/ Scholarships
 - Banking** – Digital Banking | e-Statements | Electronic Loan Processing
 - Insurance** – e-Policy & Fraud Mitigation | e-Receipts | e-Claims
 - eGovernance** – e-Licensing | e-Certificates | Citizen-to-Government e-Services

About eMudhra:

Much like the name, which is an embodiment of the seal of authenticity in the electronic or digital world, eMudhra is a cyber security solutions company and a trust service provider that is focused on accelerating the world's transition to a secure integrated digital society. With presence in 5 continents and a global delivery center in Bengaluru, India, eMudhra is empowering secure digital transformation of over 45 global banks, several Fortune 100 customers and thousands of SMEs.

