



CIDWAY[®]

sesami^{MOBILE}

DISCOVER THE FUTURE
IN MOBILE AUTHENTICATION



www.cidway.com

ONE TIME PASSWORD (OTP) MOBILE SOLUTION featuring STRONG TWO-FACTOR AUTHENTICATION

CIDWAY

sesami MOBILE

STRONGEST AND MOST SECURE MOBILE TWO-FACTOR AUTHENTICATION SOLUTION FOR MOBILE PHONES

SECURITY

FEATURES

- Strong two-factor authentication
- No PIN Patent prevents unauthorized usage in case of loss or theft
- Secrets generated securely in the mobile
- Secure registration and activation
- High availability in case of failure

TIME BASED ONE TIME PASSWORD

- 8 decimal digits (or optionally 8 hex-digits)
- Time-based
- Generated on demand (instead of every 60 sec.)
- Automatic time synchronization between device and server

PATENTED PIN AND SECRETS PROTECTION

- 6 to 8 digit PIN selected by user
- No PIN stored in device memory
- No PIN check on device or host
- PIN never transmitted outside the device
- PIN change possible anytime
- Simplistic PIN prohibited
- Non repudiation

CLONING PREVENTION

- Module substitution before or after registration
- Reverse Engineering protection
- Protection against wide SW or HW attacks including:
 - Phishing
 - Man in the middle
 - Brute Force attack on PIN
 - PIN prediction by Differential Power Analysis
 - Cloning
 - Reverse Engineering

CONVENIENCE

USER FRIENDLY

- One device for all authentication needs
- Intuitive interface
- Transparent to time zone changes
- Available in different languages

FLEXIBILITY

- Easy integration with any existing authentication solution
- Multiple tokens can coexist in one mobile phone
- SDK for customized in-house integration
- Token customization (Branding)
- Multi-purpose token:
 - E-Banking
 - Tele-Banking
 - ATM Banking

EASY INTEGRATION

- Easy deployment, activation and maintenance
- Little impact on business workflow
- No synchronization procedure
- Minimal maintenance
- Fine grain access control for administrators
- Easy management – no need to manage mobile devices

COMPATIBILITY

Supports wide range of mobile phones including:

- Nokia
- Sony Ericsson
- Motorola
- Samsung
- Blackberry
- Windows Mobile
- Brew

REPORTING

- Usage statistics (detailed down to hour/day)
- Complete administrator activity

COST

COST ATTRACTIVE

- Affordable acquisition cost
- Low integration cost
- Low deployment cost

LOW ON-GOING COSTS

- Minimum maintenance
- No stock management
- Lifetime usage for tokens

AUTHENTICATION SERVER

CIDWAY Server is a security platform for CIDWAY's range of tokens: hardware and/or mobile tokens.

SYSTEM FEATURES

- Light-weight
- LDAP Integration
- Web-based admin
- Automatic time synchronization
- Online/offline OTP validation
- 6 administration levels
- Time & event based
- System differentiation between customers

SYSTEM REQUIREMENTS

HARDWARE

- Server with Intel Pentium-IV 3.0 GHz or higher
- 1024 MB RAM or higher
- 2 GB free disk space

WINDOWS

- Windows 2000 or 2003
- IIS (Internet Information Services)
- MS SQL 2000 / 2005 Server
- IAS (Internet Authentication Service)
- Microsoft SQL Reporting Services

UNIX

- J2EE
- Tomcat, WebSphere, WebLogic
- Oracle, IBM DB2

OPTIONAL SOLUTION

SMS OTP SERVER

CIDWAY also offers an SMS-OTP server that generates an OTP and transmits it via SMS to the user's mobile phone. This system does not require any download or installation on the user's mobile phone.




CIDWAY®

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