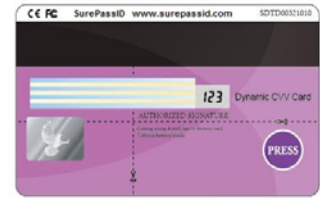
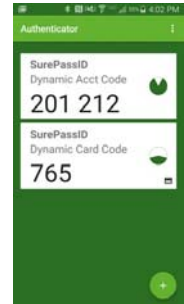


Dynamic Card Security Codes for eCommerce



SurePassID Dynamic Card Security Code (CSC) for eCommerce is the most secure, flexible, and cost-effective solution to eliminate card-not-present fraud (CNP). A full stack, out-of-the-box solution with unrivaled security and scalability and seamless integration to existing credit card processing infrastructures. The CSC mobile app and libraries can be added to existing mobile payment apps maintaining a complete, integrated and branded solution. The result is a single unified solution that secures virtually any e-commerce/mobile transaction, dramatically reducing costs, fraud and complexity while meeting payment industry security standards and requirements.



Features

- **Flexible authentication** – Secure, dynamic and scalable authentication in the cloud or on-premises.
- **Supports existing payment platforms and infrastructure** – Supports payment systems such as Visa (dCVV, Verified by Visa), MasterCard (dCVC, SecureCode), American Express, etc., closed loop payment systems, payment processors. Easily add to 3D Secure 1.0 and 2.0 systems.
- **Authentication (2FA) flexibility** – Mix-and-match support for widest range of methods. CSC display cards, mobile CSC app software including bio-metrics and FIDO U2F tokens.
- **Deployment flexibility** – Deploy on-demand, on-premises, or as enterprise-class Virtual Machine.
- **Scalability** – Scales up to hundreds of millions of users.
- **Configurable CSC windows** – define any time window size from 30 seconds up to 24 hours after which the CSC will change to a new code. Systems can be configured to allow reuse of a CSC code during that window for user convenience. Recurring CSCs can also be defined for recurring monthly transactions.
- **Full stack solution** - Complete set of out-of-the-box technology you need to deliver the most robust CSC solution across your entire client base.
- **Seamless integration with existing eCommerce infrastructures** – Integrates easily into any transaction processing system. API's allow integration of the system into your existing product and corporate work flows.
- **Automated provisioning and de-provisioning** – Automatically create, update and delete users in applications via Over-The-Air (OTA) or traditional user provisioning.
- **Centralized auditing and reporting** – Centralized, automated auditing and reporting of users, and transaction activity.
- **Platform-agnostic mobile offering** – Support for any cloud-connected Android™, iOS®, Windows® or other mobile device. CSC libraries integrate into your existing apps using standard mobile development tools such as Android Studio® and Objective-C dev tools.
- **Custom branding** – The CSC mobile app can be customized to match the branding and style requirements of the issuer.

System Specifications



Specifications	
Server Deployment Mode (your choice)	<ul style="list-style-type: none"> • Multi-tenant Software-as-a-Service (SaaS) • On-Premises
Maximum Number of Users	<ul style="list-style-type: none"> • Unlimited
Directory Integration/Synchronization	<ul style="list-style-type: none"> • Existing proprietary directories • Existing authentication apps • CSV, TXT, XML user import
Server Integration Interfaces	<ul style="list-style-type: none"> • Web Services (Axis2, WCF, asmx) • Rest/Json • Web apps • PHP apps • .net (vb, c#, cpp) • C/C++
Privacy	<ul style="list-style-type: none"> • User/account obfuscation • No privacy data
Certifications and Compliances	<ul style="list-style-type: none"> • ISO 27001 • SSAE 16 ISAE 3402 • EU Model Clauses • HIPAA BAA
Encryption	<ul style="list-style-type: none"> • AES 128-512 • 3DES • PBE AES 128-512
CSC security tokens	<ul style="list-style-type: none"> • Android soft token • iOS Soft token • Display Card (ISO 7816, your brand) • FIDO U2F certified tokens
System Management Sync	<ul style="list-style-type: none"> • Windows Event Log • Linux Syslog
Audit Logs	<ul style="list-style-type: none"> • SurePassID • Linux Syslog • Windows Event Log • Splunk • Kibana

Authentication

Supported Methods

- CSC Event-based (Modified HOTP)
- CSC Time-based (Modified TOTP)
- CSC Time+PIN-based (Modified TOTP)
- Push SMS text OTP
- Push voice-enabled OTP
- Push email OTP
- Push Notification via SP Auth app API

Secret Key Management

- SurePassID proprietary
- FutureX HSM
- SafeNet HSM
- Townsend HSM
- Utimaco HSM

Supported Credentials

Hard Tokens

- CSC display cards (ISO 7816 payment card)
- CSC key fobs and mini-key fobs
- CSC USB flash drives

Soft Tokens

- SurePass Mobile CSC app (Android, iOS)
- SurePass Mobile CSC libs (Android, iOS)

SurePassID is a provider of next-generation identity and access management solutions for the hybrid cloud. SurePassID seamlessly integrates with existing IT infrastructures to enable secure access to any application, on any device, by any user. SurePassID's on-demand solution includes secure single sign-on, identity and access management, directory integration, automated provisioning and deprovisioning, strong multi-factor authentication, support for legacy on-premises authentication servers, and customizable deployment options.

SurePassID offers its solution direct and via a global network of resellers and integrators. For more information visit www.surepassid.com.

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