



WinkkPass™ - Multi-Factor Authentication via Mobile Device

IMPROVE SECURITY

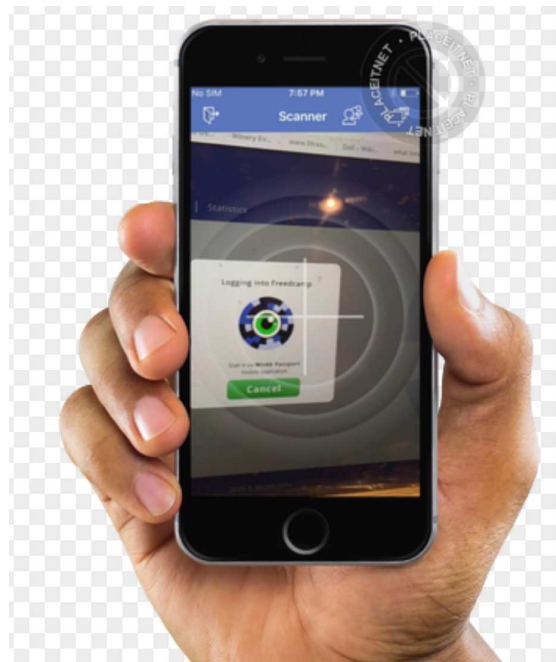
The weakest link in the chain of corporate security is password-protected access. WinkkPass™ dramatically improves overall security by providing multi-factor authentication using unique HyperEye™ technology.

DECREASE MAINTENANCE

Unlike legacy MFA solutions, there is no custom hardware to provision, update or decommission

STREAMLINE USER EXPERIENCE

Users don't have to carry additional tokens or remember passwords for different identities/ or external SaaS services.



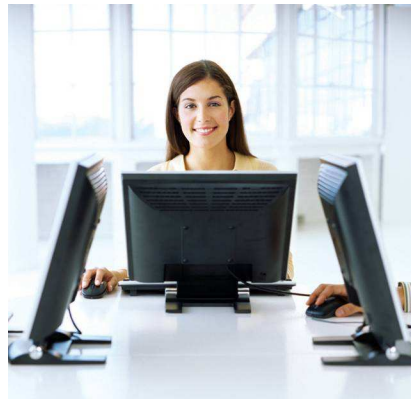
Winkk, Inc has developed a next generation authentication solution that is easy for application providers to integrate and does not slow end users down. WinkkPass™ mobile app is available on iOS and Android devices and creates a unique cryptographic identity for each of the user's digital profiles. Every authentication transaction is initiated with the user's mobile device scanning a unique dynamic HyperEye™ optical code directly from the screen of the computer or device that the user is trying to access. HyperEye™ is a unique patent-pending optical code technology developed by Winkk that provides faster, more reliable recognition than QR or other optical codes. Initiating authentication is as easy taking a picture of

- **Multi-Factor Authentication-** uses existing mobile phones for secure authentication
- **Centrally Managed Admin-** authorization and entitlement managed by corporate IT using Microsoft Active Directory integration
- **Unified Audit Trail –** provides unified audit log of all authentications across devices, native applications and SaaS services.

the screen with a phone. When application requests a transaction, a unique code is generated which encodes the transaction ID and time limited single use password. The phone recognizing this dynamic HyperEye™ code represents a one-way out-of-band communication channel which ensures that the application and the phone are mutually authenticated. Authentication is completed by Winkk authenticating cryptographically to the WinkkCloud. WinkkCloud sends a SAML token to the requesting application via a separate communication channel, secured with a shared secret.



Features and Benefits



- **Compelling for B2C Web Providers**
 - Increases registration
 - Reduces support costs for password resets
 - Built-in 2 or 3 factor authentication
 - Easy to integrate
- **Perfect for Enterprises**
 - Easy to integrate via Common Authentication Provider (pre-integrated with AD)
 - Air-gapped corporate user identity information
 - Multiple identities are supported for different corporate roles
 - Enables hybrid cloud deployments (on-prem, private, hybrid, public clouds)
- **Appealing to Users**
 - Secure, encrypted, protected-no more passwords
 - Single app to manage multiple identities
 - Authenticate across multiple devices seamlessly
 - Easy to use

Supported Protocols

- Supports OATH 2, SAML
- Native support for Microsoft ADFS
- Easy integration with existing applications, CAS and entitlement systems

MULTI-FACTOR AUTHENTICATION

“Something you have” – mobile device is a proxy for digital identity

“Something you are” – optional biometric authentication

“Something you know” –PIN or pattern to unlock

THREAT VECTORS

WinkkPass™ protects from:

- Dictionary attack
- Phishing
- SS7 stack compromise
- Replay
- Man in the middle
- Wireless intercept
- Mobile Trojans

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