YESsafe Token+

Turn Any Mobile Device into a Trusted Device for Authentication and Authorization

YESsafe Token+ is a next generation all-in-one mobile security token that uses One-Time Password (OTP), PKI / Digital Certificate and FIDO technologies for authentication and transaction authorization. It provides transaction signing to ensure non-repudiation and data integrity protection. By leveraging on mobile devices, it offers enhanced security protection while making it easy to use.

Key Features
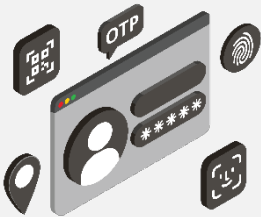
All-In-One Mobile OTP Token and PKI Token
Supports both OTP and PKI for authentication and transaction signing with "What you see, What you sign" features. Its OTP features includes:
- Response Only OTP Token
- Challenge Response OTP Token
- Transaction Signing OTP Token
- Various OTP Algorithms are supported: SHA-2, SM3 and SM4

Smart Transaction Data Capture
Leverages the mobile device's camera, Bluetooth, NFC and data connection to capture the transaction content via QR Code or Push Notification to transfer transaction information through any delivery channels to the mobile token for authentication and authorization without manual input.
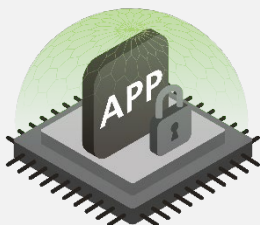
Trust Elevation and Step-up Authentication
Applies step-up authentication for accessing resources with higher trust level requirements.

FIDO Certified
Certified to comply with FIDO (Fast IDentity Online) 1.0 UAF standards, enabling seamless authentication integration with different online services without passwords.

TEE Protection
Allows for integration with TEE (Trusted Execution Environment) to provide isolated secure and non-secure zones within the CPU for sensitive applications and data. TEE enables a mini operating system separate from Android and iOS to run the sensitive applications with security requirements.

YESsafe Token+ Features

Contextual Authentication Ready
Integrates with AccessMatrix™ UAS offers contextual authentication features to leverage a wide variety of identity-relevant contextual data (e.g. geographic location, time-of-day and endpoint identity). It extends the current credential and attributes based approach to verify the user's claimed identity during the user authentication process.

Out-of-Band Authentication and Authorization
Takes advantage of mobile devices' data connectivity to transfer authentication and / or authorization information such as OTP, transaction signing data using a 2nd channel. This is separate from the transaction initiation channel for authentication and authorization.

Rule-Based Risk-Scoring Engine
Incorporates a rule-based risk scoring engine to determine risk level and the appropriate authentication method(s) based on the context.
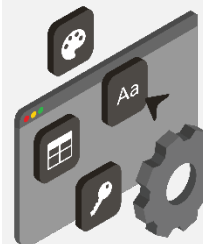
Flexible Self-Service Features
Delivers a Mobile SSO platform which enables users to enjoy the convenience of using SSO to other applications within the same mobile device.

Complete Token Management and Authentication Solution
Integrated with the battle-tested AccessMatrix™ UAS to provide a complete Token Management and Authentication solution with contextual authentication capabilities.

Configurable Token Layout Design
Provides a Token Design Tool for organizations to customize their token layout:
- Layout and Colour Scheme
- Card Verification Features
- Labelling - System and User Defined Fields for data integration

Geolocation and Time-Based Restrictions
Dynamic authentication requirements can be applied based on current time and geolocation of mobile devices. Supports GSM locations, IP, or location detection devices (e.g. IBeacon)

Device Fingerprinting
Captures unique identifying information about mobile devices, which includes state (e.g. Jailbroken). It enables data encryption, preventing device and application cloning, as well as determining appropriate authentication requirements.

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Trust without Boundaries