IDEMIA PUBLIC SECURITY

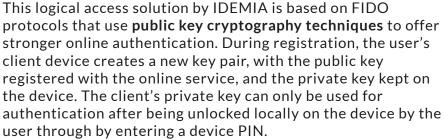# IDEMIA ID-ONE®
FIDO-Certified Credentials

FIDO-certified multi-application smartcard or
USB token for logical access control

This logical access solution by IDEMIA is based on FIDO protocols that use **public key cryptography techniques** to offer stronger online authentication. During registration, the user's client device creates a new key pair, with the public key registered with the online service, and the private key kept on the device. The client's private key can only be used for authentication after being unlocked locally on the device by the user through by entering a device PIN.

The FIDO solution is designed to interface with existing Web/browser infrastructure in such a way as to provide **high confidence** that a returning user has control of the same token that was used when they registered. The website can decide the level of identity authentication to be performed before the user registers, making the protocol suitable for a variety of applications. Since standard browsers implement the Web authentication protocols natively, no additional software is needed.

Having FIDO certification on an **NFC-enabled smartcard platform** makes use of mass-produced, inexpensive hardware. It allows additional functions needed on the enterprise ID badge to be added such as a photo ID badge, PKI-based FIPS 201 authentication, or legacy physical access control.

IDEMIA USB security key is a FIDO device-bound passkey and it offers a convenient way to interface with a FIDO2 authenticator using existing USB connectivity.

SECURES LOGICAL ACCESS

Can be used to access secure websites and initiate single sign-on.

MODERN SOLUTION

Takes advantage of NFC access through cellphones, tablets, and laptops.

SELF-REGISTERING

Easily deployable and cost-effective, as the FIDO protocol establishes private keys on the token without the need to purchase extra software or certificates.

PHISHING-RESISTANT

Uses cryptographic authentication by means of on-card keys, not just a secret which a user can be tricked into releasing.

FIDO ALLIANCE CERTIFIED (CTAP VERSION 2.0)

NA.IDEMIA.COM

KEY BENEFITS:

Security

- FIDO2 cryptographic login credentials are unique across every website, never leave the user's device, and are never stored on a server.

Convenience

- Users unlock cryptographic credentials by using a device PIN.

Privacy

- FIDO cryptographic keys are unique to each site, so they cannot be used to track users across sites. Plus, biometric data used for authentication never leaves the user's device.

Scalability

- Websites can enable FIDO2 through a simple JavaScript API call that is supported across leading browsers and platforms on billions of devices.

Supported by Major Industry Players

- The FIDO Alliance consists of hundreds of global tech leaders working together to reduce global over-reliance on passwords and make online interactions safer and more secure. IDEMIA serves on the board.

KEY FEATURES:

- Secures logical access by means of PKI cryptography
- Uses NFC access through cell phones, laptops, and tablets
- No need to buy extra software or certificates
- Authenticator-configurable level of assurance
- Phishing-resistant