# IDplug Middleware Suite

## Supporting secure elements for logical access

Leveraging security features such as strong authentication, digital signature and data encryption in order to ensure privacy, integrity and authenticity of user data.

### Logical Access Control

The access control market is mainly driven by the growing demand for global security solutions.

Many organizations already use card-based physical access control systems to manage who can access their buildings and secure facilities.

They are also moving towards securing their logical access, e.g. network logon or remote access via a VPN, with two-factor authentication.

Logical access control is no longer just for employees, citizens now expect secure access to eServices, with their identities and personal data fully protected.

### IDplug Middleware Suite

IDplug Middleware Suite allows eServices and Identity Access Management (IAM) systems for professional and government programs.

- **IDplug Classic** offers standard APIs for native applications on computers.
- **IDplug Webconnector** provides interfaces to browsers for web applications on computers.
- **IDplug Android and IDplug iOS** deliver interfaces to native and web applications on mobiles.

## Key Benefits

**Standard interface**

IDplug is compliant with PKCS#11, Microsoft minidriver and MacOS CryptoTokenKit specifications.

**Multiple OS supported**

IDplug is available on Windows, Linux, mac OSx, Android and iOS operating systems.

**Biometrics**

IN Groupe middleware and cards support fingerprint, face, and iris match-oncard for citizen authentication.



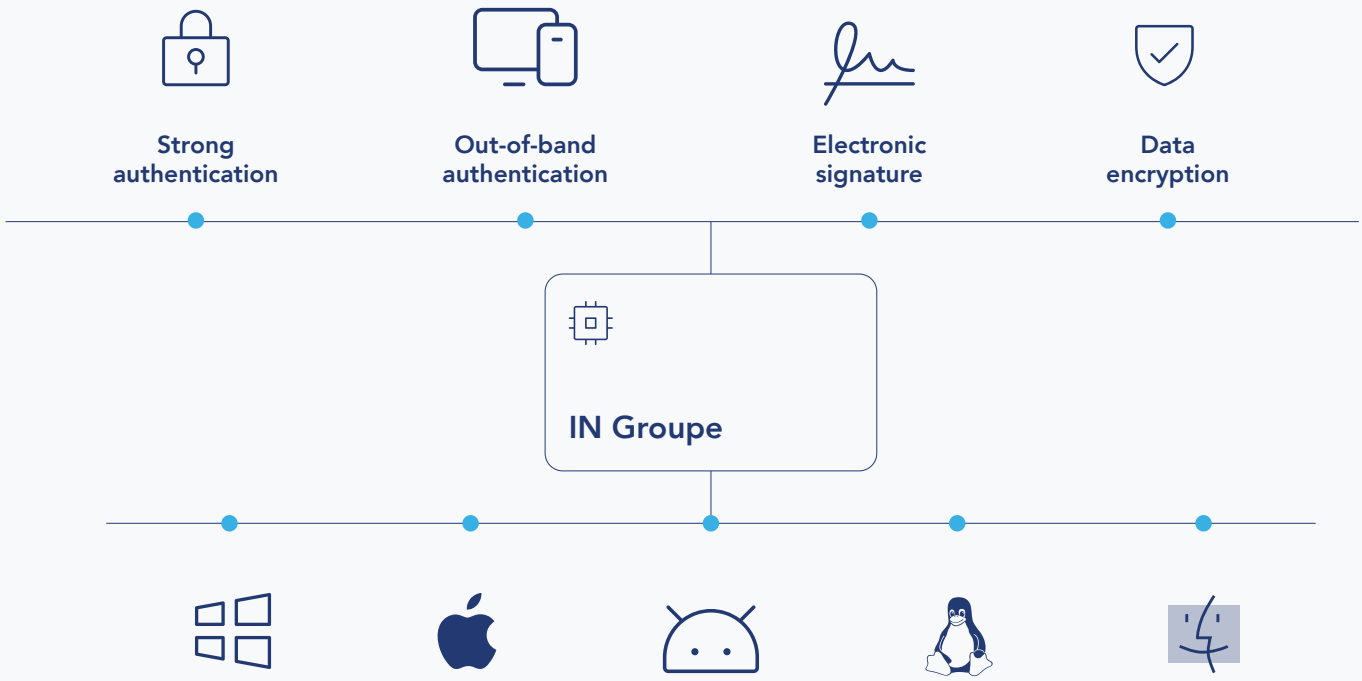
# Ideal to secure data and network

IDplug offers several interfaces to manage cryptographic operations on IN Groupe's secure element such as:

- Strong authentication
- Digital and qualified signature
- Data encryption
- Key generation
- Certificate loading
- Biometric match-on-card

## CUTTING-EDGE TECHNOLOGY

- RSA and ECC algorithms for authentication and signature
- PACE secure messaging
- AES and DES/TDES
- Fingerprint, face and iris match-on-card
- Windows 10 and 11, Ubuntu 22.04 and 24.04 LTS, MacOS 12.x 10.13 High sierra, up to Android 13/14 and iOS 17/18
- PKCS#11, Microsoft Minidrivers, MacOS CryptoTokenKit
- IDplug Manager UI Application




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