Winkeo-A FIDO2

USB-A security key FIDO2 (+U2F) Passwordless

NEOWAVE

CYBERSECURITY ™
MADE IN EUROPE

SECURITY VISA · ANSSI

fido ALLIANCE

Strong authentication for the web/cloud

Winkeo-A FIDO2 (+U2F) includes:

- ✔ USB-A HID interface
- ✔ Smart card certified Common Criteria EAL5+
- ✔ FIDO2 (CTAP 2.0) + FIDO U2F applications
- ✔ ANSSI security visa

FIDO2 products are compatible with FIDO2 and FIDO U2F services.

Supported operating systems and browsers
- Windows, Mac OS, Linux, Chrome, Edge, Firefox, Safari
- No software installation on the client workstation

Smart card component
- CC EAL5+
- DES/3DES, AES, ECC, RSA
- Up to 1024 credentials for FIDO2 and FIDO U2F
- Credential generation, management and storage inside the smart card

Wide compatibility
- Windows 10/11 with Microsoft Entra ID and over 250 online services such as Gmail, Paypal, OVH, WordPress, Dropbox
- Identity federations such as Evidian, Ilex, Okta, Ping Identity

ACN
Alliance pour la confiance numérique

AKTANTIS

UGAP

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- ✅ Easy to use and deploy (HID device: no driver required)
- ✅ Compatible with Windows, Mac OS and Linux
- ✅ Credential generation, management and storage inside the smart card
- ✅ Up to 1024 credentials for FIDO2 and FIDO U2F
- ✅ User presence by button
- ✅ Complete separation between FIDO2 and FIDO U2F applications
- ✅ Anti-Phishing protection (to replace vulnerable SMS, OTP or TOTP solutions)
- ✅ No "key wrapping" / No shared key preinstalled

FIDO2 features

- Supported crypto-algorithm:
- ECC P-256

- Options:
- user PIN
- PIN lenght between 4 and 63 bytes
- PIN try limit set to 8. After 8 unsuccessfull tries, the authenticator must be reset.

- Resident keys (rk)

- Maximum number limited by an available persistent memory (~256 credentials)

- Extension:
- HMAC secret

FIDO U2F features

- No risk if your password or key is stolen (you need both to authenticate)

- Second factor authentication fully compliant with Google services through Chrome, Edge, Firefox and Safari browsers

- Extended compatibility (Salesforce, Office 365, etc.) through federation identity providers (WebSSO)

Mechanical features

- Size: length 51 mm / width 17 mm / height 9 mm
- Weight: 6 g

About FIDO (Fast IDentity Online)

The FIDO Alliance, bringing together major players such as Google, Microsoft and Apple, encourages the adoption of FIDO2 for passwordless authentication using passkeys based on cryptographic keys, as well as FIDO U2F for enhanced second factor authentication. Devices such as Winkeo keys and Badgeo cards contribute to increased protection against phishing cyberattacks.

About NEOWAVE

NEOWAVE specializes in strong authentication and secure transactions. NEOWAVE's products combine the high level of security provided by smart cards with the advantages of storage and connectivity technologies: USB, RFID / NFC and Bluetooth Low Energy (BLE). NEOWAVE products and services address the cybersecurity, digital trust and identity management markets.