

Winkeo2J-A FIDO2

USB-A security key FIDO2 Passwordless



Strong authentication for the web/cloud

Winkeo2J-A FIDO2 includes:

- ✓ USB-A HID interface
- ✓ Smart card certified Common Criteria EAL6+
- ✓ FIDO2 (CTAP 2.1) + FIDO U2F applications, certified FIDO2 L2



Cybersecurity Made in Europe
labeled



FIDO2 Level 2 certified



Listed by the French
Digital Health Agency (ANS)



Supported operating systems and browsers

- Windows, Mac OS, Linux, Chrome, Edge, Firefox, Safari
- No software installation on the client workstation



Integrated smart card (Mini SIM)

- Java Card™
- CC EAL6+
- DES/3DES, AES, ECC, RSA
- 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



The **Winkeo2J-A FIDO2** is NEOWAVE's new generation of USB Type-A security keys designed to provide strong authentication, both on the web and in the cloud. **Compatible with the FIDO2 (CTAP 2.1) and FIDO U2F standards**, and **certified FIDO2 L2**, it ensures maximum protection against phishing and password theft, while remaining simple and quick to use. It is also officially **listed by the French Digital Health Agency (ANS)** as an electronic identification means (eID means) compatible with Pro Santé Connect.

- ✓ Easy to use and deploy (HID device: no driver required)
- ✓ Credential generation, management and storage inside the smart card
- ✓ User presence by button
- ✓ Anti-Phishing protection (to replace vulnerable SMS solutions)
- ✓ No "key wrapping" / No shared key preinstalled

Interface(s)

- USB-A 2.0 HID

Smart card

- Common Criteria EAL6+ certified component

Supported operating systems

- Windows, Mac OS, Linux

Browsers

- Chrome, Edge, Firefox, Safari

FIDO2 features

- Crypto-algorithm:
 - ECC P-256
- hmac-secret
- Resident keys (rk) - Detectable credentials
 - Maximum number limited by an available persistent memory (200 to 512 bytes per credential)
- User PIN
 - PIN length between 4 Unicode characters and 63 bytes
 - PIN try limit set to 8.
 - After 8 unsuccessful tries, the authenticator must be reset.

Customization options:

- credBlob
- largeBlobKey
- minPinLength
- pinUvAuthToken
- noMcGaPermissionsWithClientPin
- setMinPINLength
- ep - Enterprise Attestation
- authnrCfg
- credMgmt
- largeBlobs
- makeCredUvNotRqd
- alwaysUv

Supported signature-algorithm

- ECC P-256 (secp256r1)

Dimensions and weight

- Length 43.8 mm / width 18 mm / height 9.76 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.