

Badgeo KF FIDO2

NFC FIDO2 (+U2F) and DESFire EV2/EV3 Keyfob Passwordless



fido
CERTIFIED

Strong authentication for the web/cloud

Badgeo KF FIDO2 (+U2F) includes:

- ✓ Contactless / NFC interface
- ✓ Smart card certified Common Criteria EAL6+
- ✓ FIDO2 (CTAP 2.1) + FIDO U2F applications, certified FIDO L2
- ✓ DESFire EV2/EV3 interface

FIDO2 products are compatible with FIDO2 and FIDO U2F services.



Supported operating systems and browsers

- Windows, Android, iOS, Chrome, Edge, Firefox, Safari
- No software installation on the client Workstation



Smart card

- Java Card™ JCOP4
 - 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 **Badgeo FK FIDO2** is a contactless Keyfob, made in Europe designed to provide strong authentication, both on the web and in the cloud. Compatible with the FIDO2 (CTAP 2.1) and FIDO U2F standards, it ensures maximum protection against phishing and password theft, while remaining simple and quick to use. It enables a large number of businesses to access easily deployed, standardized and competitive logical and physical security solutions.

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

Interface(s)

- Contactless / NFC ISO/IEC 14443-A & DESFire EV2/EV3

Smart card

- Certified Criteria Common EAL6+

Supported operating systems

- Windows, Mac OS, Linux

Browsers

- Edge, Firefox, Chrome, 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 45.5 mm / width 36.5 mm / height 5.5 mm
- Weight: 11 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.