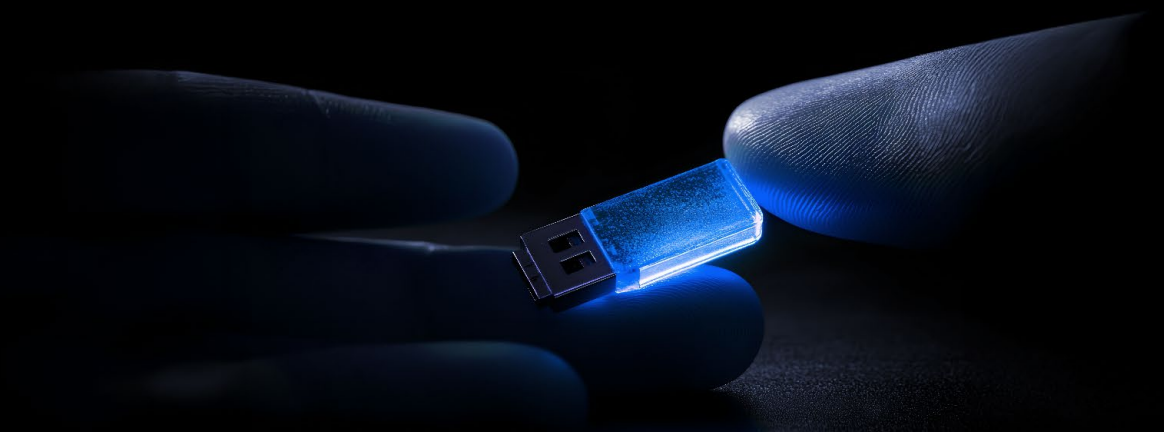



# USB-C & USB-A security key FIDO2 (+U2F) Passwordless



## Strong authentication for the web/cloud

USB A/C FIDO2 (+U2F) includes:

- USB-A/C HID interface
- MS6003 chip 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, Android, iOS, Chrome, Edge, Firefox, Safari
- No software installation on the client workstation



### MS6003 component

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



### 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



Easy to use and deploy (HID device: no driver required)

Compatible with Windows, Mac OS, Linux, Android, iOS

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 length between 4 and 63 bytes
  - PIN try limit set to 8. After 8 unsuccessful 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 39.7 mm / width 17 mm / height 8.25 mm
- Weight: 5 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.

### **About SEAL SQ**

For the last 25 years, we have been developing secure semiconductor chips, secure embedded firmware, and trusted hardware provisioning services to serve the vision of a safer connected world.