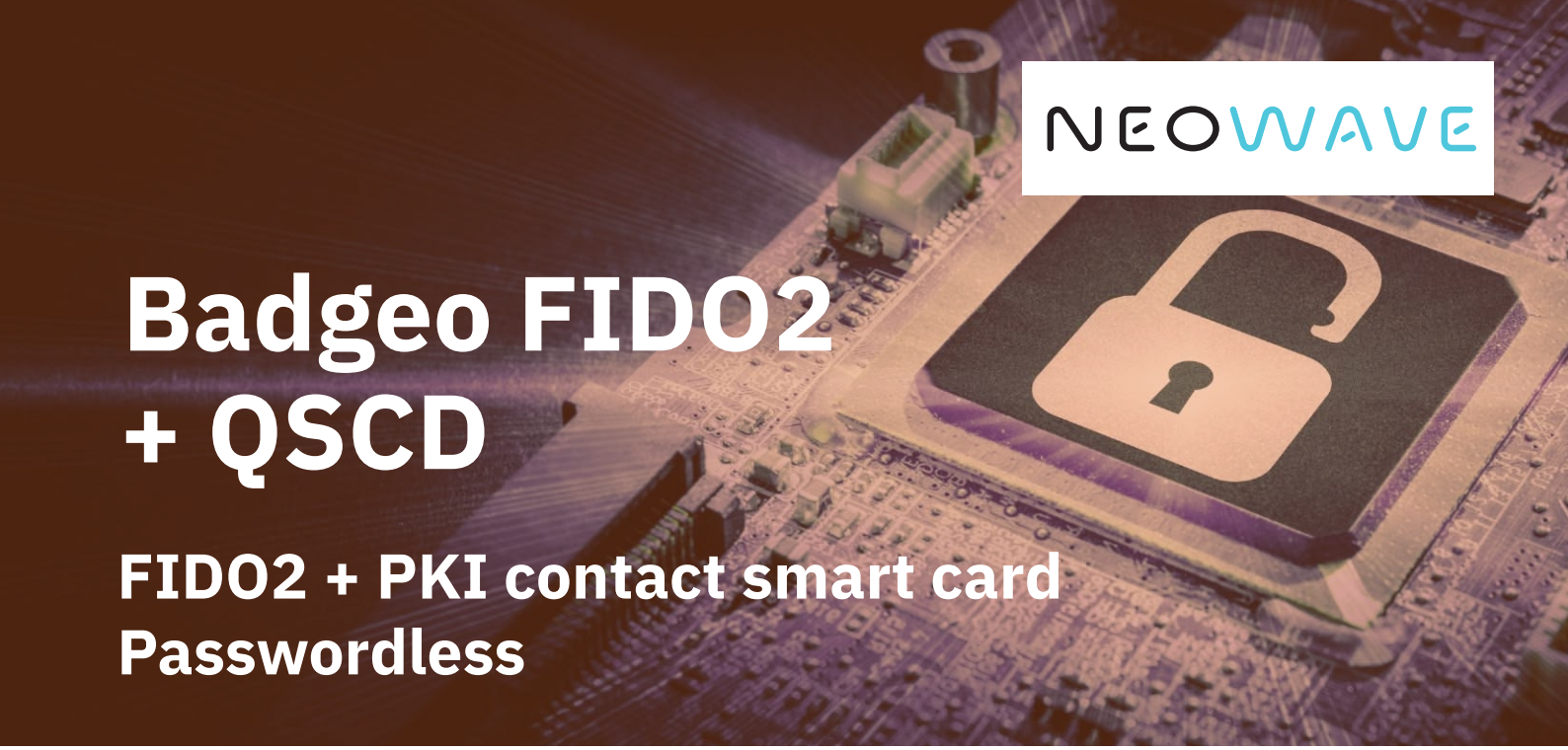


Badgeo FIDO2 + QSCD

FIDO2 + PKI contact smart card Passwordless

CYBERSECURITY MADE IN EUROPE



eIDAS

fido CERTIFIED FIDO2 L2

The universal strong authentication and qualified digital signature solution 100% Made in Europe

- ISO 7816 contact interface
- Smart card certified Common Criteria EAL6+
- FIDO2 (CTAP 2.1) + FIDO U2F applications, certified FIDO2 L2
- eIDAS-certified PKI/QSCD applet
- Middleware SafeSign Identity Client

FIDO2 + QSCD products are compatible with the majority of of deployed business applications.

Supported operating systems and browsers

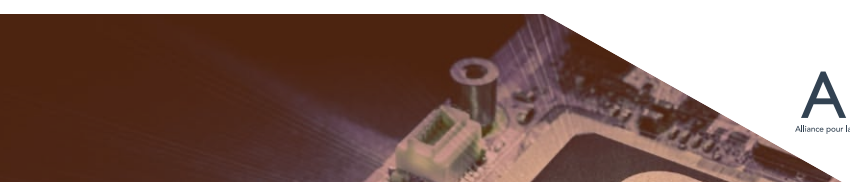
- Windows, Mac OS, Linux, Chrome, Edge, Firefox, Safari
- For FIDO, no software installation on the client workstation

Smart card

- Java Card™
- CC EAL6+
- DES/3DES, AES, ECC, RSA
- Credential generation, management and storage inside the smart card

Wide compatibility

- Strong authentication, directories, PKI, SSO, VPN, encryption, digital signature
- Windows 10/11 with Microsoft Entra ID and +250 online services
- Identity federations such as Evidian, Ilex, Okta, Ping Identity



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Badgeo FIDO2 + QSCD is a contact smart card made in Europe. It integrates an eIDAS QSCD-certified PKI applet and a FIDO2 (CTAP 2.1) and FIDO U2F applet. Badgeo FIDO2 + QSCD thus allows users to benefit from high-quality logical security solutions as well as an extremely reliable qualified digital signature solution, while remaining easy to use.

- Meets European security requirements (eIDAS, QSCD, NIS, PSD2...)
- Options: physical access with MIFARE, DESFire EV2/EV3 and ISO 1569
- Protection against phishing and preservation of the integrity of electronic documents
- No “key wrapping” / No shared key preinstalled

Interface(s)

• Contact: ISO/IEC 7816

Smart card

• Certified Criteria Common EAL6+

Supported Operating Systems

• QSCD: Windows, Mac OS, Linux
• FIDO: Windows

Browsers

• Edge, Firefox, Chrome, Safari

QSCD features

• Supported crypto-algorithms:
- RSA 2K (bits)
- RSA 3K (3072 bits)
- RSA 4K (4096 bits)
- ECC NIST P-256 / SECG secp256r1 (256 bits)
- ECC NIST P-384 / SECG secp384r1 (384 bits)
- ECC NIST P-521 / SECG secp521r1 (521 bits)

• Options:
- PIN
  - PIN length between 5 and 15 bytes
  - PIN try limit set to 3
- PUK
- PUK length between 5 and 15 bytes
- PUK try limit set to 3

FIDO2.1 features

• credProtect
• hmac-secret
• Resident keys (rk) - Detectable credential
  - Maximum number limited by an available persistent memory (200 to 512 bytes per credential)
• User PIN, PIN 1 and PIN 2 protocols
  - PIN length between 4 Unicode characters and 63 bytes
  - PIN try limit set to 8. After 8 unsuccessful tries, the authenticator must be reset.
  - No default value
  - Management of specific PIN policies
• 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

• Size: length 85.6 mm / width 54 mm / height 0.76 mm
• Weight: 5 g

About NEOWAVE and AET Europe

NEOWAVE and AET Europe solutions address the cybersecurity, digital trust and Identity Access Management markets. NEOWAVE is a French company, specializing in strong authentication and secure transactions. NEOWAVE products combine the high level of security provided by smart cards with the advantages of connectivity and storage technologies: USB, RFID / NFC and Bluetooth Low Energy (BLE).
AET Europe is a Dutch company, developing software solutions for user identification, authentication and digital signatures. AET Europe products are SafeSign IC, BlueX Certificate Management and ConsentID.

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