



Winkeo-C FIDO2 + QSCD

USB-C security key with middleware

The universal solution for strong authentication and electronic signature

100% Made in Europe



- 1 For strong authentication and qualified electronic signature
- 2 eIDAS QSCD-certified PKI applet 
- 3 Compliant with FIDO2 (CTAP 2.1) and FIDO U2F standards
- 4 Contact smart card (ISO 7816) JCOP4 certified Common Criteria EAL6+ 
- 5 Meets European security requirements (eIDAS, QSCD, NIS, PSD2...)

Winkeo-C FIDO2 + QSCD is compatible with systems that support PC/SC and HID protocols.



Winkeo-C FIDO2 + QSCD features:

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

- USB 2.0 Type-C interface
- Contact smart card (ISO 7816) JCOP4 certified Common Criteria EAL6+
- Compatible with systems supporting PC/SC and HID protocols
- Compatible with Windows, Mac OS, Linux , Android and iOS operating systems
- User presence by button
- No “key wrapping” / No shared key preinstalled
- Dimensions and weight: Length 39.7 mm / Width 17 mm / Thickness 8.25 mm / Weight 5g

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.

FIDO2.0 / FIDO2.1 features:

- Supported signature-algorithm:
 - ECC NIST P-256 / SECG secp256r1 (256 bits)

• Extensions:

- credProtect
- hmac-secret
- credBlob (personalization option)
- largeBlobKey (personalization option)
- minPinLength (personalization option)

• Options:

- rk (resident keys) - Discoverable credentials
 - Maximum number limited by available persistent memory (256 to 512 bytes per credential)
- clientPIN, PIN protocol 1 and PIN protocol 2
 - PIN length between 4 and 63 bytes
 - PIN try limit set to 8. After 8 unsuccessful tries, the authenticator must be reset
- No default value
- ep - Enterprise Attestation (personalization option)
- All supported options and extensions (pinUvAuthToken, authnrCfg, largeBlobs...)



NEOWAVE

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