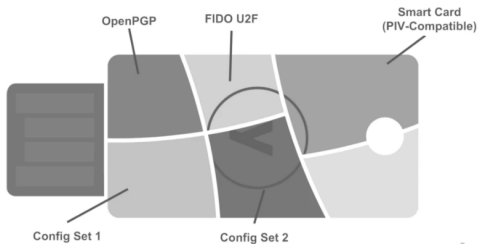


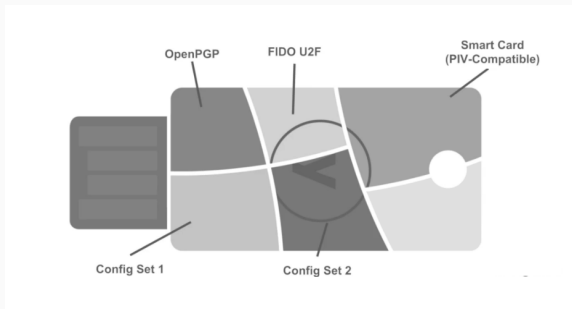
Yubikey Wat is dat? Wat kann dat?

judge

One Key to rule them all



One Key to rule them all

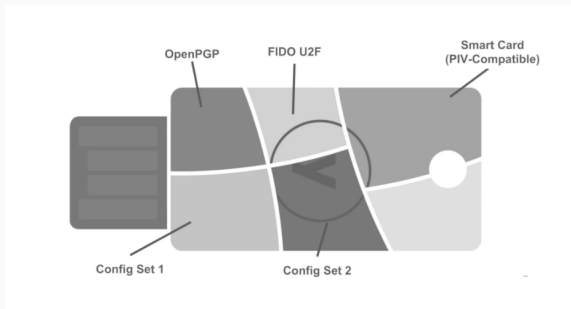


Config Slots

PGP Smartcard

PIV Smartcard

One Key to rule them all



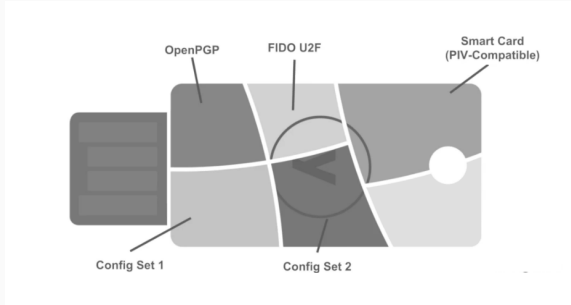
Config Slots

- Synchrone Verschlüsselung
- Yubico OTP
- HOTP
- Challenge Response

PGP Smartcard

PIV Smartcard

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Config Slots

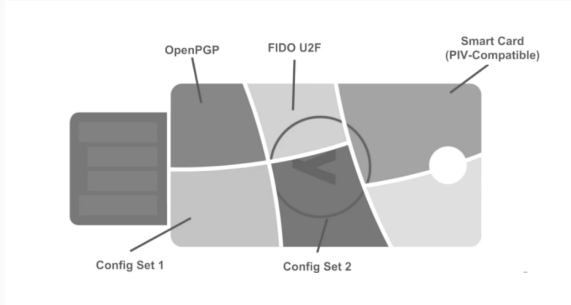
- Synchrone Verschlüsselung
- Yubico OTP
- HOTP
- Challenge Response

PGP Smartcard

- Asynchrone Verschlüsselung
- Encryption
- Signing
- Authentication

PIV Smartcard

One Key to rule them all



Config Slots

- Synchrone Verschlüsselung
- Yubico OTP
- HOTP
- Challenge Response

PGP Smartcard

- Asynchrone Verschlüsselung
- Encryption
- Signing
- Authentication

PIV Smartcard

- Asynchrone Verschlüsselung
- 4 Slots usable for multiple purposes

Website Login

- Yubico OTP
- generate OTP with yubikey, gets validated against yubico cloud (they need to know the symmetric key)

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Password Manager

- Using Challenge Response
- KeepassXC (or KeepassX with Plugin)
- hash of database, as input to challenge, result gets appended to password

HOTP

- Google Authentication (TOTP)
- TOTP basiert HOTP
- Synchrone keys werden auf yubikey gelegt
- Generierung der keys mit app sowohl auf android als auch linux

- Using PIV Smartcard
- Sign Challenge with Private Key
- OpenSC + PAM

https://github.com/OpenSC/pam_p11

SSH Authentication

- Export PGP Public key as SSH key
- Use gpg-agent als ssh-agent