TOKEN2 Sàrl
Geneva, Switzerland
www.token2.com

KeyTen NFC FIDO2, U2F and TOTP Security Key

Part no: KeyTen · T2-76

Description

Keyten Security Key is an NFC-enabled FIDO2 Security key. Having an NFC chip onboard allows using this FIDO2 key with modern iPhones natively, directly in the browser (starting from iOS 13.3) as well as Android devices with NFC. Keyten model features a capacitive sensor-type integrated touch-button. Keyten is only 6 mm thick.

Keyten is based on the original Token2 firmware, but without PIN complexity for simpler everyday use. Keyten does not have a serial number, so it is not intended for corporate users who require device tracking and centralized management - it is aimed at individual users.

FIDO security keys are small USB dongles that enable secure login to websites and applications supporting FIDO2 WebAuthn and classic FIDO (U2F) standards.

Keyten security key combines hardware-based authentication, public-key cryptography, TOTP/HOTP, U2F, and FIDO2 protocols to protect your accounts. This type of security devices provides the highest level of multifactor authentication of user accounts with Twitter, Facebook, Gmail, GitHub, Dropbox, Dashlane, Salesforce, Duo, Centrify and hundreds more HOTP, U2F, and FIDO2 compatible services. No additional tools or applications are required, and the login process is simple and reliable. Just insert the Security Key into a USB-A slot and authenticate with a simple touch. We also sell a compact USB-A to Type-C adapter, so you can use the same key with devices with USB-Type-C slots. The Keyten security key does not require a battery nor network connectivity - it is always on and accessible.

Keyten is based on FIDO® Alliance certified firmware

Specifications

Model Number	Keyten Security Key
Button	capacitive interface button
Functions	FIDO U2F + FIDO2.1 WebAuthn + HOTP (HID) + TOTP (with Companion app)
Embedded security algorithm	ECDSA , SHA256, AES, HMAC, ECDH
Interface type	NFC, USB-A + USB Type-C (*with optional adapter*)
Firmware	Original Token2-based FIDO 2.1 (no PIN complexity, no serial number)
Maximum FIDO2.1 Resident keys	50
Maximum OTP profiles	50 TOTP/HOTP via the app + 1 HOTP via HID
Lifetime	At least 10 years
Programming cycles	100,000 times
Communication protocol	CTAP2, HID, NFC
Working voltage	5.0V DC
Input Current	35mA
Power	0.18W
Working temperature	-10℃ - 50℃
Dimensions	42.1 mm x 17 mm x 6 mm
Storage temperature	-20℃ - 70℃

NFC Chip position

The NFC chip is located on the front/top side of the device (the USB metal connectors' side). While for good quality NFC reader devices (i.e. an iPhone), both sides would work with no issues, on devices with weaker NFC signal, touching the reader area with the top side of the key would give better results.

TOTP Feature

Keyten Security key can securely store the secrets for your TOTP profiles, but requires a companion app (available for Android and Windows) to generate the OTPs.

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iOS Support

Native support of NFC FIDO2 Keys in iPhone Safari

Specifications

GENERAL

Form factor	Plastic case
Interface	USB-A, NFC
CONNECTIVITY	
USB-A	Yes
NFC	Yes
OTP	
OTP protocols	TOTP, HOTP
TOTP	Yes
HOTP	Yes
FIDO	
U2F	Yes
FIDO certification	L1
Minimum PIN policy	4 digits, any PIN
DIMENSIONS	
Dimensions	42.1×17×6