

Product Specifications & Technical Details

Token2 - security is easy



Product Details



Token2 T2F2-Dual PIN+Octo FIDO2.1 Security Key - Nonbranded

Token2 T2F2-Dual PIN+Octo is an NFC-enabled FIDO2 security key featuring both USB-A and USB Type-C ports, with PIN complexity enforced at the firmware level. The onboard NFC chip allows this FIDO2 key to be used natively with modern iPhones directly in the browser (iOS 13.3 and later) as well as with Android devices that support NFC (some limitations apply). This model includes a capacitive touch sensor and is only 6 mm thick. With the release of our PIN+ Series Version 2, you can now store up to 300 passkeys (also known as resident keys or discoverable credentials) on a single device. This key features an updated PIN+ firmware that enforces a **minimum PIN length of 8 digits**, compared to the 6-digit minimum required by the standard PIN+ firmware.

The key has no logo and comes without individual packaging, allowing for customization with vinyl stickers or laser engraving (please note that these customization services are not provided by us).

T2F2-Dual PIN+Octo 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 slot and authenticate with a simple touch. The security key does not require a battery nor network connectivity - it is always on and accessible.

Specifications

Model Number	Token2 T2F2-PIN+Octo
Button	2 x capacitive interface buttons (one on each side)
Functions	FIDO U2F + FIDO2.1 WebAuthn + HOTP (HID) + TOTP (with a companion app)
Embedded security algorithm	ECDSA , SHA256, AES, HMAC, ECDH
SSH with FIDO Support	ecdsa-sk & ed25519-sk
Interface type	NFC, USB-A and USB-TypeC
Firmware	FIDO 2.1 ^{Token2} PIN complexity enforcement with 8-digit minimum
Maximum FIDO2.1 Resident keys	300
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 Currency	35mA
Power	0.18W
Working temperature	-10°C - 50°C
Dimensions	42.1 mm x 17 mm x 6 mm
Storage temperature	-20°C - 70°C

Enhanced Water Resistance

This model is featuring a specialized PCB (Printed Circuit Board) coating for enhanced water resistance. This protective coating ensures durability against water ingress, safeguarding your data in any environment.

TOTP Feature

T2F2-PIN+ Security keys can securely store the secrets for your TOTP profiles, but requires a special app (available for Android, iPhone and Windows as well as a

cross-platform Python tool allowing to run the companion app under Linux, macOS and similar systems) to generate the OTPs.

Operating Systems and Browsers Support

For detailed information on how FIDO2 authentication is supported across different operating systems and browsers, including specific considerations and limitations, please visit our comprehensive [guide](#)

[read more](#)

Product Images



Summary

Model Number	T2F2-Dual PIN+ Octo
Form-factor	Plastic case USB-A,USB-Type-C,NFC
Functions	PIN+Octo & FIDO2.1 WebAuthN+CTAP
Dimensions	30×18×6 <small>(without USB connectors)</small> mm
Weight	10 gr
Programmable	yes
Storage	passkeys: 300 HOTP: 1 TOTP: 50
Product ID	T2-101

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Product page

<https://www.token2.com/shop/product/token2-t2f2-dual-pin-octo-fido2-1-security-key-nonbranded>



About Token2

Token2 is a cybersecurity company specialized in the area of multifactor authentication. Founded by a team of researchers and graduates from the University of Geneva with years of experience in the field of strong security and multifactor authentication, Token2 has invented, designed and developed various hardware and software solutions for user-friendly and secure authentication. Token2 is headquartered in Geneva, Switzerland

Token2 is a member of *FIDO Alliance* and *swiss made software* label



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