Product Specifications & Technical Details

Token2 - security is easy

T2KEN

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Product Details

PIN+ Dual Release3 - FIDO2.1 Key with OpenPGP and OTP and Dual USB Ports

The T2F2-PIN+/Dual Release3 is an NFC-enabled FIDO2 Security key with both USB-A and USB-TypeC ports, featuring PIN complexity at the firmware level. 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. This model features a capacitive sensor-type integrated touch-button and is only 6 mm thick. With Release 3 of our PIN+ Series, you can now store up to 300 passkeys (also known as resident keys or discoverable credentials) on a single device.

What's New in Release3

- **OpenPGP Applet:** Release3 introduces an OpenPGP applet, adding compatibility with [OpenPGP software](#) for secure digital signing, encryption, and authentication.
- **iOS Management via USB-C:** For the first time, users can manage passkeys and set PINs on iOS via USB-C, enabling full management on devices like modern iPads that lack NFC functionality. Previous versions and all competitor keys allow only authentication over USB under iOS, but not key management.

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

Token2 T2F2-PIN+ security key combines hardware-based authentication, public-key cryptography, TOTP/HOTP, U2F, and FIDO2 protocols to protect your accounts. This type of security device provides the highest level of multifactor authentication for 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+
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
OpenPGP	RSA2048 ECC: secp256r1, secp256k1,secp384r1, secp521r1 User Interaction Flags (UIF): not supported Curve25519: not supported
SSH with FIDO Support	ecdsa-sk & ed25519-sk
Interface type	NFC, USB-A and USB-TypeC
Firmware	FIDO 2.1 ^{Token2} PIN complexity enforcement
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 Current	35mA
Power	0.18W
Working temperature	-10℃ - 50℃
Dimensions	42.1 mm x 17 mm x 6 mm
Storage temperature	-20℃ - 70℃

Enhanced Water Resistance

This model features 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 key can securely store the secrets for your TOTP profiles but requires a [companion app](#) (available for Android, iPhone, and Windows, as well as a cross-platform Python tool allowing it to run under Linux, macOS, and similar systems) to generate the OTPs.

Integration Guides

[Native support of NFC FIDO2 Keys in iPhone Safari](#)

[Using Your T2F2 Security Key with Google](#)

[Passwordless authentication in Azure AD with Token2 FIDO2 keys](#)

[Using FIDO2 USB keys under Linux](#)

Product Images

Summary

Model Number	T2F2-PIN+/Dual Release3
Certification	Level1, Level2
Form-factor	Plastic case USB-A, USB-C, NFC
Functions	PIN+ FIDO2.1 WebAuthN+CTAP OpenPGP
AAGUID	eabb46cc-e241-80bf-ae9e-96fa6d2975cf
Dimensions	30×18×6 ^(without USB connectors) mm
Weight	10 gr
Programmable	yes
Storage	passkeys: 300 HOTP: 1 TOTP: 50
Product ID	T2-108

PDF generated on **16th of March 2025 01:43:56 AM**

Product page

https://www.token2.com/shop/product/pin-dual-release3-fido2-1-key-with-openpgp-and-otp-and-dual-usb-ports

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

fido ALLIANCE | simpler stronger authentication

swiss made software

Contact Details

Email: support@token2.com

Phone: +41 22 519 62 02

Address: La Voie-Creuse 3B
1202 Geneva, Switzerland

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