TOKEN2 Sàrl
Geneva, Switzerland
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PIN+ Dual Octo Release3.3 FIDO2.1 Security Key - Nonbranded

Part no: T2F2PINPlusOcto3.3 · T2-101





Description

Token2 PIN+ Dual 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 includes a **leather protective case** to shield the device from physical damage and wear.

Firmware 3.3 Release

Version 3.3 adds PIV functionality to existing features. With Octo keys, the PIV applet requires an 8-digit PIN (the same length as the FIDO2 PIN), and PIN complexity rules apply.

Manage Passkeys on Your Platform

Passkeys and fingerprint credentials can be managed across multiple platforms:

- **Windows**: using built-in OS tools or our *FIDO2.1 Manager*
- **macOS**: via the *fido2-manage.dmg* installer or Chromium's security key management tool
- **Android** & **iOS**: through the *Token2 Companion App*
- **Linux**: using the open-source *Companion (Rust Edition)* (keyroost-based, available as an AppImage or compilable from source code), or the open-source *fido2-manage* tool (compilable from source code)

The key has no logo and comes with a different individual packaging, allowing for customization. Custom laser engraving is now available for this model*. Using UV laser technology, we can add your logo or design on one side of the key, while the other side features the serial number and its QR code. Please note that customization options are limited to specific areas on the key. Contact us to get started with custom laser engraving!

* minimum order quantity and customization fees apply

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 PIN+ Dual Octo R3.3
Button	2 x capacitive interface buttons (one on each side)
Functions	FIDO U2F + FIDO2.1 WebAuthn + PIV + OpenPGP + HOTP (HID) + TOTP (with a companion app)
Embedded security algorithm	ECDSA , SHA256, AES, HMAC, ECDH
OpenPGP	RSA2048, RSA3072, RSA4096 secp256r1, secp256k1, secp384r1, secp521r1 ed25519, x25519 User Interaction Flags (UIF), Key Derived Function (KDF)
SSH with FIDO Support	ecdsa-sk & ed25519-sk
Interface type	NFC, USB-A and USB-TypeC
Included Accessories	**Leather protective case**
Firmware	FIDO 2.1 Token2 PIN complexity enforcement with 8-digit minimum OpenPGP, PIV
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	CTAP2.1, 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 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.

- **OpenPGP Applet:** enhancing compatibility with OpenPGP software for secure digital signing, encryption, and authentication.

Leather Case for Lasting Protection

A durable leather case protects the device from scratches, impacts, and dirt, helping extend the key’s lifespan. *Included at no extra cost.*



Specifications

GENERAL	
Form factor	Plastic case
Interface	USB-A, USB-C, NFC
CONNECTIVITY	
USB-A	Yes
USB-C	Yes
NFC	Yes
Smart card	No
OTP	

OTP protocols	TOTP, HOTP
TOTP	Yes
HOTP	Yes
FIDO	
U2F	Yes
FIDO certification	L2
Minimum PIN policy	8 digits, complexity enforced
OpenPGP support	Yes
PIV support	Yes
Biometric	No
DIMENSIONS	
Dimensions	30×18×6