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Token2 PIN+Bio3 FIDO2 Security Key with Biometric Authentication

Part no: T2F2Bio3 · T2-112

Description

The **Token2 PIN+ Bio3** is a dual-interface **FIDO2 security key** designed for strong, phishing-resistant authentication. Featuring a high-resolution, round fingerprint sensor (ø14mm), it enables fast and secure PIN + biometric login. The key includes a **leather protective case** to shield the fingerprint sensor from physical damage and wear. Even among the most rugged biometric devices, exposed sensors are vulnerable to impact and contamination — the included case ensures long-term reliability.

- **OpenPGP Applet:** Release3.2 introduces an updated OpenPGP applet, enhancing compatibility with OpenPGP software for secure digital signing, encryption, and authentication.

Manage Passkeys and Fingerprints 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)

Technical Specifications

Feature	Details
Interfaces	USB-A, USB-C (dual interface)
Firmware	FIDO 2.1 Token2 PIN complexity enforcement Release3.2
Authentication Protocols	FIDO2 / WebAuthn (USB only)
Passkey Storage	Up to 300 credentials
TOTP Profiles	Up to 50 entries (via USB)
HOTP Support	Not supported
OpenPGP	RSA2048, RSA3072, RSA4096 secp256r1, secp256k1, secp384r1, secp521r1 ed25519, x25519 User Interaction Flags (UIF), Key Derived Function (KDF)
Fingerprint Sensor	Round, 14mm diameter, 508 DPI resolution
Verification Time	~0.9 seconds
False Acceptance Rate (FAR)	< 0.0001%
False Rejection Rate (FRR)	~1%
Max Fingerprints Stored	29
Included Accessories	**Leather protective case**

Compatibility & Use Cases

For supported platforms, services, and usage examples, visit our overview page:

Token2 FIDO2 Key Overview & Compatibility Guide

Why Choose Token2 PIN+ Bio3?

- Secure biometric authentication with PIN fallback
- Dual USB-A and USB-C ports for broad device support
- Up to 300 passkeys and 50 TOTP profiles
- Includes leather case to protect the fingerprint sensor

FIDO2 functionality is available via USB only.

Please ensure your device has a USB-A or USB-C port for FIDO2 usage.

Biometric sensor

The Token2 Bio3 runs our FIDO2 L2-certified PIN+ firmware and features the same biometric sensor as used in our previous Bio and Bio2 models. Certification of the biometric component follows a separate assessment process, which is currently underway. Please note that for devices running firmware earlier than R3.4 the biometric protection only applies for FIDO2 protocols, not OTP nor PGP

OpenPGP supports UIF by simple touch only, not fingerprint verification. Security is provided by the PIN. This limitation comes from the open-source SmartPGP applet our implementation is based on, not from our hardware.

Specifications

GENERAL	
Form factor	Plastic case
Interface	USB-A, USB-C
CONNECTIVITY	
USB-A	Yes
USB-C	Yes
OTP	
OTP protocols	TOTP
TOTP	Yes
FIDO	
U2F	Yes
FIDO certification	L2
Minimum PIN policy	6 digits, complexity enforced
OpenPGP support	Yes
Biometric	Yes
DIMENSIONS	
Dimensions	53.6×18×6.5