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PIN+ Mini-A Release3.2 FIDO2, U2F and TOTP Security Key with PIN complexity

Part no: PINPlusMiniA · T2-113







Description

The PIN+ MiniA is a miniature FIDO2 Security key with a USB Type-A port, featuring advanced PIN complexity at the firmware level. The device is compact enough to remain plugged in at all times, yet also convenient to carry thanks to its integrated keyring hole. This device runs Release3.2 of our firmware.

What's New in Release3.2

- **Improved OpenPGP Applet:** Release3.2 enhances the OpenPGP applet with expanded compatibility, performance improvements, and better integration with OpenPGP software. It continues to support RSA4096, ed25519, x25519 algorithms, and UIF functionality introduced in earlier releases. Release 3.2 comes with KDF support as well.

FIDO Security Keys

FIDO security keys are compact USB devices that enable secure login to websites and applications supporting FIDO2 WebAuthn and classic FIDO (U2F) standards. With Release3.2 of our PIN+ Series, you can now store up to 300 passkeys (also known as resident keys or discoverable credentials) on a single device.

The PIN+ MiniA combines hardware-based authentication, public-key cryptography, TOTP/HOTP, U2F, and FIDO2 protocols to safeguard your accounts. This device delivers the highest level of multifactor authentication for user accounts with platforms such as Twitter, Facebook, Gmail, GitHub, Dropbox, Dashlane, Salesforce, Duo, Centrify, and hundreds of other HOTP, U2F, and FIDO2 compatible services. No additional tools or applications are required; simply insert the Security Key into a USB Type-A port and authenticate with a simple touch. The security key does not require a battery or network connectivity – it is always on and ready.

Specifications

Model Number	PIN+ MiniA
Button	Capacitive interface button
Functions	FIDO U2F + FIDO2.1 WebAuthn + HOTP (HID) + TOTP (with a companion app)
OpenPGP	RSA2048, RSA3072, RSA4096 secp256r1, secp256k1, secp384r1, secp521r1 ed25519, x25519 User Interaction Flags (UIF), Key Derived Function (KDF)
Embedded Security Algorithm	ECDSA, SHA256, AES, HMAC, ECDH
SSH with FIDO Support	ecdsa-sk & ed25519-sk
Interface Type	USB Type-A
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	CTAP2.1, HID
Working Voltage	5.0V DC
Input Current	35mA
Power	0.18W
Working Temperature	-10℃ - 50℃
Dimensions	24 mm x 15 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, ensuring durability against water ingress and safeguarding your data in any environment.

TOTP Feature

This security key can securely store the secrets for your TOTP profiles but requires a companion app (available for Android, iPhone, Windows, and cross-platform via a Python tool for Linux, macOS, and similar systems) to generate OTPs.

Specifications

GENERAL	
Form factor	Mini (USB-A)
Interface	USB-A
CONNECTIVITY	
USB-A	Yes
USB-C	No
NFC	No
Smart card	No
OTP	
OTP protocols	TOTP, HOTP
TOTP	Yes
HOTP	Yes
FIDO	
U2F	Yes
FIDO certification	L2
Minimum PIN policy	6 digits, complexity enforced
OpenPGP support	Yes
Biometric	No
DIMENSIONS	
Dimensions	19×18×7.6