BioPass FIDO2

FIDO Certified
Biometric
Security Key

fido™ CERTIFIED U2F

fido™ CERTIFIED FIDO2

FIDO ALLIANCE BIOMETRIC CERTIFIED™

Member of
Microsoft Intelligent
Security Association
■ Microsoft

fido™
ALLIANCE
MEMBER

FEITIAN
WE BUILD SECURITY

FEITIAN BioPass FIDO2 Security Key is built on FIDO2 specification which is issued and promoted by FIDO Alliance to drive and enable a real passwordless multi-factor authentication. Unlike passwords, using FEITIAN BioPass FIDO2 Security Key brings lower IT management costs, provides improved productivity, and enhanced security and privacy for both employees and employers. With a simple touch, the built-in sensor quickly verifies your fingerprint and automatically unlocks your device, allowing easy access to information stored on your device.

BioPass FIDO2 supports both FIDO U2F and FIDO2. BioPass FIDO2 Plus supports FIDO U2F, FIDO2 as well as PIV.

FIDO Authentication (FIDO U2F + FIDO2)

The FIDO application inside BioPass Security Key is both FIDO2 and FIDO U2F certified, and is verified by Microsoft Azure. By using the FIDO function, users are able to achieve passwordless authentication and strong second factor authentication at the same time.

PIV Smartcard

The PIV smartcard function inside the BioPass Security Key provides a strong PKI based authentication scheme that can be used for smart-card logon, document signing and other PKI related operations. The function have already been tested and verified by Versasec and Secmaker.

Specifications

	BioPass FIDO2		BioPass FIDO2 Plus	
Casing	K49	K50	K49	K50
Standard	FIDO U2F, FIDO2(CTAP2.0), FIDO2(CTAP2.1) on going		FIDO U2F, FIDO2(CTAP2.0), FIDO2(CTAP2.1) on going, PIV	
Security Algorithms	ECDSA, SHA256, AES, HMAC, ECDH		ECDSA, SHA256, AES, HMAC, ECDH RSA 1024, RSA 2048, ECC P256, ECC P384	
Interface	USB Type-C	USB Type-A	USB Type-C	USB Type-A
Communication Protocol	CTAPHID		CTAPHID, CCID	
Input Voltage	5V		5V	
Input Current	23mA, peak 33mA		23mA, peak 33mA	
Power	165mW		165mW	
Working Temperature	-10 C ~ 50 C (14 F ~ 122 F)		-10 C ~ 50 C (14 F ~ 122 F)	
LED Indicator	Green LED, Red LED		Green LED, Red LED	
Casing Material	Plastic(PC+ABS)	Zinc Alloy	Plastic(PC+ABS)	Zinc Alloy
Dimensions	52 x 19 x 6.4mm	58 x 19 x 7mm	52 x 19 x 6.4mm	58 x 19 x 7mm
Fingerprint Sensor	FPC		FPC	
Resolution	508 DPI		508 DPI	
Definition	160 x 160 pixels with 8-bit depth		160 x 160 pixels with 8-bit depth	
Sensor Service Life	Over 200,000 times		Over 200,000 times	
Autonomic Learning	Yes		Yes	
False Accept Rate	1:20000		1:20000	
False Reject Rate	1.4%		1.4%	
Recognition Time	<0.6 sec		<0.6 sec	
Acquisition Time	<180ms		<180ms	