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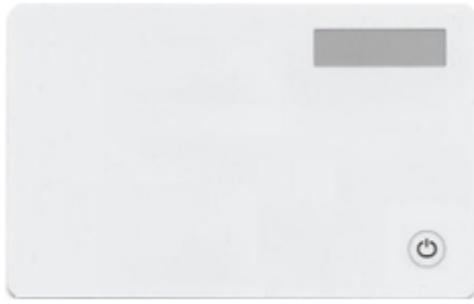# Safewalk physical tokens datasheet

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General notes

The following document provides an overview of the different physical tokens that are being offered by the Safewalk platform.

OATH (HOTP/TOTP) Flex Card

Dimension (length x width x height)	85.60 mm × 53.98 mm x 0.8 mm (3.375 in × 2.125 in x 0.0315 in) ISO7810
Material	PVC
Keypad	Single button
Algorithm	HOTP (Event-Based) RFC 4226 or TOTP (Time-Based) RFC 6238
Battery lifetime	3 years with 23,000 operation cycles or 5 years with 20,000 operation cycles
Operating Temperature	10 C to 40 C (50°F to 104°F)
Storage Temperature	-10 C to 50 C (14°F to 122°F)
Humidity	90% relative humidity at 40°C for 240HR
Physical Resistance	Tamper evident
Compliance & certifications	ISO7810, ISO14443, ISO 15693, CE, FCC, OATH, RoHS
Warranty	1 year (can be extended to 3 years)
Number of OTP digits	6 or 8 (default to 8)
Customization options	Provided in a white label format. Can be customized with artwork for an additional fee and an MOQ of 1000 units

OATH (HOTP/TOTP) Flex Card with PIN

Dimension (length x width x height)	85.60 mm × 53.98 mm x 0.8 mm (3.375 in × 2.125 in x 0.0315 in) ISO7810
Material	PVC
Keypad	13 buttons (1 mechanical button and 12 capacitive touch buttons)
Algorithm	HOTP (Event-Based) RFC 4226 or TOTP (Time-Based) RFC 6238
Battery lifetime	3 years with 14,000 operation cycles or 5 years with 12,000 operation cycles
Operating Temperature	10 C to 40 C (50°F to 104°F)
Storage Temperature	-10 C to 50 C (14°F to 122°F)
Humidity	90% relative humidity at 40°C for 240HR
Physical Resistance	Tamper evident
Compliance & certifications	ISO7810, ISO14443, ISO 15693, CE, FCC, OATH, RoHS
Warranty	1 year (can be extended to 3 years)
Number of OTP digits	6 or 8 (default to 8)
Unlocking mechanism	A Personal Unlocking Key (PUK) is provided in case the card was locked due to too many wrong PIN entries
Customization options	Provided in a white label format. Can be customized with artwork for an additional fee and an MOQ of 1000 units

OATH (HOTP) Keyfob

Dimension (length x width x height)	62 mm × 29 mm x 11 mm (2.441 in × 1.142 in x 0.433 in)
Weight	14.4g
Material	PC+ABS
Keypad	Single button
Algorithm	HOTP (Event-Based) RFC 4226
Battery lifetime	5 years
Operating Temperature	-10 C to 50 C (14°F to 122°F)
Storage Temperature	-20°C - 70°C (-4°F - 158°F)
Humidity	0 - 100% without condensation
Physical Resistance	Tamper evident IP68 for Glue Injection
Compliance & certifications	CE, FCC, OATH, RoHS
Warranty	1 year (can be extended to 3 years)
Number of OTP digits	6

OATH (TOTP) Keyfob

Dimension (length x width x height)	62 mm × 27 mm x 12 mm (2.441 in × 1.062 in x 0.472 in)
Weight	16.1g
Material	PC+ABS
Keypad	Single button
Algorithm	TOTP (Time-Based) RFC 6238
Battery lifetime	5 years
Operating Temperature	-10 C to 50 C (14°F to 122°F)
Storage Temperature	-20°C - 70°C (-4°F - 158°F)
Humidity	0 - 100% without condensation
Physical Resistance	Tamper evident IP68 for Glue Injection
Compliance & certifications	CE, FCC, OATH, RoHS
Warranty	1 year (can be extended to 3 years)
Number of OTP digits	6

BioPass (FIDO) Keyfob

Dimension (length x width x height)	42 mm × 30 mm x 10 mm (1.653 in × 1.181 in x 0.394 in)
Weight	
Material	
Fingerprint module	✓
USB-A	✓
HID	✓
Supported Operating System	Windows, Linux, MacOS
Algorithm	FIDO U2F (Using SHA256 with ECDSA on P-256)
Battery lifetime	USB connected (no charge)
Operating Temperature	
Storage Temperature	
Humidity	
Physical Resistance	Tamper evident
Compliance & certifications	CE, FCC, FIDO, RoHS
Warranty	1 year (can be extended to 3 years)

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Wireless (FIDO) Keyfob

Dimension (length x width x height)	47 mm × 30 mm x 8 mm (1.850 in × 1.181 in x 0.315 in)
Weight	
Material	
NFC	✓
BLE	✓
USB-A	✓
HID	✓
Supported Operating System	Windows, Linux, MacOS
Algorithm	FIDO U2F (Using SHA256 with ECDSA on P-256)
Battery lifetime	USB connected (charge)
Operating Temperature	
Storage Temperature	
Humidity	
Physical Resistance	Tamper evident
Compliance & certifications	CE, FCC, FIDO, RoHS
Warranty	1 year (can be extended to 3 years)

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Wireless (FIDO) Keyfob

Dimension (length x width x height)	44 mm × 20 mm x 4 mm (1.733 in × 0.787 in x 0.157 in)
Weight	
Material	
NFC	✓
USB-A	✓
HID	✓
Supported Operating System	Windows, Linux, MacOS
Algorithm	FIDO U2F (Using SHA256 with ECDSA on P-256) HOTP (Event-Based) RFC 4226
Battery lifetime	USB connected (no charge)
Operating Temperature	
Storage Temperature	
Humidity	
Physical Resistance	Tamper evident
Compliance & certifications	CE, FCC, FIDO, RoHS
Warranty	1 year (can be extended to 3 years)