



# CircleONE Touch

## Biometric FIDO2 Dual-Interface Security Card

### One Card, Single Touch, Zero Passwords.

The **CircleONE Touch** is a high-performance, biometric-enabled security card designed for secure, **passwordless** authentication. By combining advanced fingerprint recognition with **FIDO2 standard**, it provides phishing-resistant multi-factor authentication (MFA) for web services, cloud applications, and local workstation login via both contactless and contact interfaces.

- **Match-on-Sensor Biometrics & Liveness Detection**

Features a built-in fingerprint sensor ensuring fingerprints never leave the device.

- **True Universal Compatibility**

Supports FIDO2 and FIDO U2F standards. Works across Windows (Edge, Chrome), macOS (Safari), iOS, and Android.

- **Dual-Interface Authentication**

Offers maximum flexibility with NFC for mobile/contactless use and a contact interface for traditional smart card readers.

- **Multi-function**

- **All-in-One**

- **Enterprise Ready**



- **Enterprise-Grade Security (EAL 6+)**

Powered by the top-tier Secure Element, providing hardware protection against tampering and unauthorized access.

- **Industrial Durability**

It is waterproof, dustproof, and tested for extreme torsion and bending to withstand rigorous daily handling.

- **Battery-Free Operation**

Fully passive power— power harvesting through NFC ensuring it is always ready to use.



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Protocols	
FIDO Standards	FIDO2 CTAP 2.1 Certified; WebAuthn; FIDO U2F Certified (up to 38 credentials)
Communication Interfaces	NFC (ISO 14443 Type A); Contact (ISO 7816)
General	
Dimension	85.6 x 53.98 x 0.80 mm (ISO7816 Standard)
Weight	5.8g
Card Material	PVC
Fingerprint Sensor	
Verification Time	<1 sec
False Rejection Rate	<1.5%
False Acceptance Rate	< 1/200,000 (0.0005%)
Sensor Type	Off-chip Capacitive
Sensing Area	9.5 x 9.5 mm
Fingerprint Storage	Up to 2 Fingers
Operating Conditions	
Operating Temperature	-10 – 50 °C
Operating Humidity	5 – 85% RH
Compliance/ Certifications	
Standards	FIDO 2 CTAP 2.1, FIDO 2 U2F, MISA, CC EAL6+
Regulatory/ Environmental	RoHS3, REACH
Operational Environment	
Supported Operating Systems	FIDO2: Windows, Mac, iOS; FIDO U2F: Android
Ordering Information	
Product Code	30-300047 CircleONE Touch Card - No Printing 30-300048 CircleONE Touch Card with Digital Business Card Function - No Printing

