البرهان للتكنولوجيا
Al Burhan Technology

CONSULTING, SALES & SOLUTIONS للأنظمة و الحلول التقنية

zwipe

On Card Fingerprint Technology for Access and ID Card

Zwipe Access is a versatile fingerprint - activated contactless credential working seamlessly with existing 125kHz or 13.56MHz infrastructure, without upgrading or replacing any readers or backend systems. Only after activation by a fingerprint scan will the card allow communication with a reader. Zwipe combines the security of biometric authentication With the speed and convenience of contactless credentials.

PROVEN & RELIABLE TECHNOLGY
Delivers consistent and accurate fingerprint reads in second

SECURE
Unique to the cardholder, only the card owner can activate card communication with the reader

PRIVACY ENHANCING & SAFE
Biometric data is stored on the card, eliminating the need to manage and secure an external database with fingerprint data.

DURABLE
Strong and resistant to cracking or breaking

COST-EFFECTIVE
On-card authentication provides easy path to upgrade security without upgrading readers

- Directly addresses unauthorized Card use and eliminates threat of lost cards
- Secure and intuitive biometric 2-factor authentication, without upgrading readers
- Compatible with many 13,56 MHz and 125 KHz RF readers
- On-Card fingerprint touch sensor with 3D capacitivc technology for superior imaging
- Supports PIN-based systems allowing for 3-factor authentication
- Addresses privacy concerns with on card biometric data storage

Secure **Fast** **Easy**

Zwipe Access

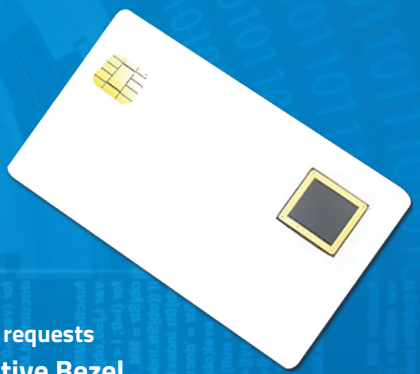
Power Source	CR2032 Replaceable battery
Form Factor	Clamshell design with slot for lanyards
Dimensions	85.6mm x 54mm x 8 mm (LxWxH) 3.370 in x 2.125 in x .31 in (LxWxH)
Weight	21 g (0.74 oz)
Operational Frequency	125kHz & 13.56 MHz
Certifications & Approvals	CE & FCC
Supported RF Transponders	HID 125 kHz and HID iClass® compatible, Atmel 5577, Mifare® Classic, DESFire™ EV1, Legic Advant *other contactless transponders are available on request
Construction	PVC
Operating Temperature	(-20° to 40° C) (-4° to 104° F)
Status Indicators	Green & Red LED lights
Fingerprint Enrollment	Direct on-card
Fingerprint Sensor	3D capacitive array with ESD protection. Test to 10 million scans
Fingerprint Processing Time	1 sec
Users Per Card	One

Zwipe ID

Power Source	Real time reader RF-field energy harvesting from contactless reader
Form Factor	ISO7810 ID1 format / CR80
Dimensions	85.6mm x 54mm x 0,8 mm (LxWxH) 3.370 in x 2.125 in x .031 in (LxWxH)
Construction	PVC
Supported Transponders	Mifare® Classic, DESFire™ EV1 *other contactless transpondors are available on request
Operating Temperature	(-20° to 40° C) (-4° to 104° F)
Status Indicators	Green & Red LED lights
Fingerprint Enrollment	Direct on-card
Fingerprint Sensor	3D capacitive array with ESD protection.
Fingerprint Verification Time	Dependant on power output from reader
Users Per Card	One
Application Programming	Standard programming procedures
Card Body Printing	Transfer Printing, Thermal or Laser

Zwipe Payment Multi

Power Source	Real time reader RF-field energy harvesting from standard contactless EMV POS
Form Factor	ISO7810 ID1 format
Dimensions	85.6mm x 54mm x (0,78to 0,84 mm) (LxWxH) 3.370in x 2.125 in x (.030 to . 033 in) (LxWxH)
Construction	PVC *+1000 bent & torsion tests compliant
Supported Payment Chips	SLE78 *other contactless chips are available on request
Operating Temperature	(-20° to 60° C) (-4° to 140° F)
Status Indicators	Green & Red LED lights
Fingerprint Enrollment	Direct On-Card / Branch Enrollment *other scenarios dependent on Card Manufacturer & Issuer requests
Fingerprint Sensor	3D capacitive array with ESD protection & Protective Bezel.
Fingerprint Verification Time	Dependant on fingerprint quality - approximately 1 sec.
Users Per Card	One
Chip Personalization	Standard Chip Personalization Procedures
Card Body Printing	Transfer Printing, Thermal or Laser *Does not support embossing



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