

Access MFinger

a biometric reader



Access MFinger is a high security biometric reader combining security features of the Mifare® smart card technology and the user's individual and unique fingerprint. The reader compares a fingerprint stored into a Mifare® smart card with the scanned fingerprint before transmitting data into the system. Mifare® security keys protect the templates inside the card. It is also possible to store fingerprint templates into the Access MFinger reader.

With the Access MFinger Smart Coder you can easily enrol fingerprints, configure your Access MFinger readers and set security privileges for each user. The Access MFinger Smart Coder kit includes management software, desktop reader and a desktop scanner.

Access MFinger can be used as a part of an access control system or as a standalone reader with an external door controller unit. There are several possibilities to carry out the authentication process:

- Fingerprint template is stored into the Access MFinger Mifare® card. Reader compares the stored template to the scanned fingerprint for verification when the card is shown to the reader. It is possible to store 2 fingerprint templates per user in to the 1k card.
- Fingerprint template is stored into the Access MFinger reader with an ID number. ID number can be either the ID of a Mifare® card or an entered ID number from 3 to 10 digits. When user tries to authenticate to the reader with the ID-number the reader compares the stored template to the scanned fingerprint. It is possible to store up to 6 fingerprint templates per user in to the reader.
- Mifare® card only. Access MFinger authenticates the correct ID number of the Mifare® card. In this operation mode Access MFinger operates as in traditional access control systems.
- Mifare® card ID or entered ID number (3 to 10 digits) and PIN code (4 to 6 digits)

Specifications

Supply voltage	12-24 VDC
Power consumption	< 5 W
Operating temperature	0°C...+60 °C
Operating humidity	10...90% RH (non-condensing)
Weight	< 0.5 kg
Dimensions (hwxwd)	111 x 137,5 x 44 mm
Fingerprint storage	
Template in card	Unlimited amount of users
In device	720 templates
Template size	
In card	288 bytes
In device	400 bytes
Interface (reader network)	RS232/RS485/RS422
Output format	Wiegand
Led	3 (Tricolor)
Buzzer	Yes
Tamper switch	Yes
Housing material	Plastic
Carrier frequency	13.56 MHz
EMC	Meets CE requirements
Fingerprint sensor	
Type	Optical
Light source	Led (red)
Verification speed	< 1 second
False rejection rate	< 1 %
False acceptance rate	< 0.0001 %
Resolution	450 dpi
Sensing area	12.6 (w) x 16.2 (l) [mm]

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