



Access Control and Management Systems



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Sigur readers provide secure identification using cards of various formats, as well as smartphones. Elaborate design of devices and wide indication possibilities will allow to get the best user experience, as well as support of modern communication interfaces will make the identification process convenient and safe.



*The scale is 1:1

01

WORKING WITH CARDS

- Identification using Mifare, EM Marine, HID Prox II cards, as well as bank cards with a contactless chip, including virtual ones - from Apple Wallet, Google Pay or Samsung Pay.
- Maximum user-friendliness thanks to long reading range and high speed.
- Secure identification support is deeply integrated into the Sigur software, which simplifies the card issuing procedure.
- Customer-specific scenarios for working with cards.



02

SMARTPHONE-BASED IDENTIFICATION

Sigur reader allows you to use smartphones with BLE running iOS or Android for secure identification. The reading range is configurable, which also allows handsfree identification.

03

OSDP SUPPORT

OSDP communication interface support for easy administration of readers and protection of transmitted data during identification.

04

HOUSING

- Ideal installation for any surface.
- Protection against dust, moisture and splashes.
- Scratch resistant surface.
- Extended temperature range.



05

DESIGN

- Minimalistic slim housing.
- Unique bayonet mount.
- Multi-color indication and the ability to play tunes in high quality for a better user experience.



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International award for outstanding achievement in industrial design. Awarded products are exhibited at the Essen Design Museum, which is the world's largest collection of contemporary design achievements.



SPECIFICATION

Modifications	MR100 Lite	MR100	MR100 Multi
	Mifare (Ultralight, Classic, Mini, ID, DESFire, Plus), including secured modes SL1 and SL3 of the Mifare Plus, secured mode of the Mifare Classic.		
	MasterCard or Visa contactless bank cards in UID reading mode with static UID or in secured mode with Mifare Classic or Plus emulation corresponding to NXP "AN10833 MIFARE Type Identification".		
Identifier types	All ISO14443-A standard identifiers in UID read mode.		
		Smartphones (Android, iOS) using BLE technology (with Bluetooth 4.0 or higher).	
		PAN number of a bank card using EMV technology (MasterCard, Visa including those added to e-wallets: Google Pay, Apple Wallet, Samsung Pay).	
			EM Marine, HID Prox II
Output interfaces	Wiegand (26, 34, 58), RS-485 (OSDP)		
Card reading range	Up to 9 cm (depending on the card type and operating mode)		
Smartphone reading range	Up to 10 m line-of-sight		
Indication unit	Multi-color LED PCM 16 bit 44 kHz mono (.wav) 3 control inputs (when connecting readers via Wiegand) OSDP Indication control (when connecting readers via OSDP)		
Ingress protection rating	IP 65		
Working temperature range	-40 ... +60°C		
Diagnostic tools	Built-in self-diagnostic tools Housing opening sensor system Temperature sensor Digitizing supply voltage		
Dimensions	90x90x12 mm		
Power supply voltage	9 ... 28 V		
Consumption current	130 mA		



