

# ICR-PHG

## Biometric Fingerprint Reader

### DESCRIPTION

The Voxio biometrics fingerprint reader is a robust, stylish reader, equipped with the proven Sagem optical sensor for fingerprint reading. The fingerprint reader is designed for situations where an elevated level of security is required. This reader can provide access, when an employee provides a personal card and a finger. (authentication)

### FEATURES

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All-in-one solution

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Easy to use

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No additional software

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Fingerprint template on the card

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Two finger templates possible on one card

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Enrollment mode through enroll card possible

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The fingerprint reader is available in two versions:

1. Enrollment station: desktop model with stainless steel stand
2. Wall reader

The fingerprint reader works independently, without any additional software or other tools needed to use / recognize the card. The fingerprint reader does not use a database wherein the biometric characteristics of the fingers are recorded.

The biometric data of every person is recorded on their personal access card. This has many advantages:

- No database with biometrics characteristics
- Complies with the requirements imposed under the Privacy Law
- Everyone is holder of their own biometrics information
- There is always a double checkup of your information, namely your finger and the information recorded on the access card
- High processing speed (no searching of database)
- Extremely low error margin (always a 1 on 2 comparison)
- No additional wiring or separate facilities needed to link and use the biometric fingerprint reader
- No extra PC work station for recognizing fingerprints, and therefore also not software installation and maintenance
- Always two different fingers will be used and stored in the card/or tag.

The fingerprint reader is for indoor and outdoor use, as long as it is not directly exposed to rain and sunlight. Outdoor use should preferably be applied after consultation.

<b>Casing</b>		
Finish	Plastic (ASA)	RAL 7035
Storage Temperature	-25°C to 60°C	
Temperature when in use	-10°C to 50°C	
Use	Indoor use	Outdoor use after consultation
Protection class	IP54	
<b>Power supply</b>		
Voltage	10 to 30V DC	
Power consumption	2 to 3.5Wsing	
<b>Reading distance</b>		
Access card	2 to 5cm (depending on finish)	
Tag	1 to 3cm (depending on finish)	
<b>Reader technologies</b>		
Mifare	Classic 1K	
DESFire	EV1 8k	
General	ISO 14443A	Transponder (UID/CSN)
<b>Configuration</b>		
Function	Data on card	verification 1:1
Comparison time	< 0.8 Sec.	
DESFire	2 x finger templates on 1 card	
Mifare	2 x finger templates on 1 card	
<b>Interfaces</b>		
Orion bus	Wiegand (D0/D1) Magstripe (clock/data) (only for DESFire cards)	
Orion stacked	PHG_crypt (RS485 A,B) electronically isolated (1 KV)	
<b>Signal elements</b>		
LED Full colour	1x	
Internal buzzer	1x	
<b>Characteristics</b>		
Sensor	Sagem CBM500 14mm x 22mm	Optical touch sensor
Optional	Protective casing	V2A Steel