

PRIntX

Fingerscan Recognition Reader



A biometric reader providing the highest security level for employee recognition. Operates in conjunction with Synel's access controllers.

Features

- Validates thousands of cardholders
- Less than one second to authorize access
- Reliable, attractive and compact design
- High image resolutions of 508 dpi
- Provides one-to-one or one-to-many employee identification



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PRIntX

Fingerscan recognition reader provides positive employee recognition.

No two individuals in the entire world have similar fingerprints. What better way to positively identify someone who wants to access a highly sensitive location? PRIntX lets you acquire a fingerscan and compare it against a database, all within record time.

How it Works

- Each employee desiring access enrolls in the system by scanning his/her finger at an enrolling station, where the image is converted into a template and stored in the reader.
- Each employee is issued an entry badge with his/her name and employee number associated to it. Proximity badges are recommended for maximum protection against duplication, although magnetic stripe and barcode cards are appropriate, as well.
- The employee swipes his/her card at the Access Control terminal for recognition.
- The employee then places his/her finger on the PRIntX fingerscan unit for verification. Within approximately 1 second, a comparison is made between the stored template and the fingerscan readout. If a match is made, access is granted; if not, access is denied.

PRIntX

The PRIntX was developed to operate in conjunction with Synel's Access Control terminals. The reader incorporates state-of-the-art biometric technology with a solid-state sensor (256 x 360 pixels (508 dpi)), housed in a rugged, sealed enclosure. The device can store about 9000 fingerscan templates, compressed using a proprietary algorithm.

Modes of Operation

The PRIntX reader permits three basic operations:

1. Enroll - new fingerscan recognition and new fingerprint template generation.
2. Verify - comparison of the finger being scanned with the corresponding stored template.
3. Erase - deleting one or all stored templates from memory.

Physical Characteristics

Dimensions: 5.1 x 1.7 x 0.8 in.
(13 x 4.3 x 2 cm)

Weight: 6.4 oz (180 gr.)

Operating temperature: -14 to 122°F
(-10 to 50°C)

Relative humidity: 95%

Communications: asynchronous,
57,600 b/s, TTL interface

Power supply: 5 V DC

Performance: Allowable finger
rotation +/- 18 degrees

Allowable displacement +/- 0.2 in. (5
mm)

False acceptance ratio up to 0.001

Equal error rate 0.001

Verification time <1 second

Enrollment time <5 seconds

Technical Specifications

- Memory capacity: 9,000 cardholders
- Template size: 350 bytes
- Available security levels: very high, high, average, low and very low
- False acceptance/rejection: 0.003 (average security level)
- Sensor type: active capacitive



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