PRintX

Fingerprint recognition reader
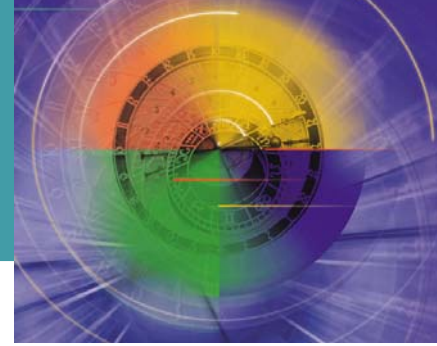
A biometric reader which provides the highest security level for personnel recognition

Operates in conjunction with Synel's access controllers

- Validates thousands of cardholders
- Less than one second to authorize access
- All operations straight from the reader
- Reliable, attractive and compact design

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PRintX

Fingerprint recognition reader for 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?
PRrintX lets you acquire a fingerprint and compare it against a database, all within record time.

How does it work?

• Usually, every worker is issued an entry badge with his name and employee number. Proximity badges are recommended for maximum protection against duplication, although magnetic stripe and barcode cards are appropriate, as well. The employee swipes his card in the Access Control terminal for recognition. Each employee desiring access has his own fingerprint template stored in the reader.

• The employee then places his finger over the PRintX for quick reading. Within approximately 1 second a comparison is made between the stored template and the fingerprint readout, and if successful, access is granted.

PRintX

The PRintX was developed to operate in conjunction with Synel's Access Control terminals. The reader is the state-of-the-art in biometry. The device which consists of a module packaged in a rugged and sealed enclosure, has a solid-state sensor (300x300 pixels in a 0.6 square inch array). The device can store about 1100 fingerprint templates, compressed using a proprietary algorithm.

Modes of Operation

The PRintX reader allows for three basic operations:

1. Enroll - new fingerprint recognition and new fingerprint template generation.

2. Verification - comparison of the fingerprint being read with the corresponding stored template in a location specified by the card (one to one comparison).

3. Identification - comparison of the fingerprint being read with the entire database of stored templates (one to many comparison).

4. Erase - deleting one or all stored templates from memory.

Technical Specifications

• Template size: 350 bytes
• Available security levels: very high*, high, average, low and very low
• False acceptance/rejection: 0.003 (average security level)

PRintX Versions

	Verification			Identification	
	200	1000	4000	200	1000
PRintX V200	✔				
PRintX V1000		✔			
PRintX V4000			✔		
PRintX I200				✔	
PRintX I1000					✔

Verification: Integrated with magnetic, smart card, proximity and barcode readers

Mechanical Features

• Dimensions: 13 x 4.3 x 2 cm
• Weight: 180 g
• Operating temperature: -10 to +50°C
• Relative humidity: 95%
• Communications: asynchronous, 9600 b/s, TTL interface
• Power supply: 5 Vdc
• Performance:

Allowable finger rotation	+/- 18 degrees
Allowable displacement	+/- 5 mm
False acceptance ratio	up to 0.001
Equal error rate	0.001
Verification time	<1 s
Enrollment time	<5 s

Pictures in this brochure are for illustration purposes only. The technical data sheet packed with the product is the only obligatory source of technical information

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