

# SY-780/A

9,000  
Templates

Quality time  
at your fingertips!



## Biometric features:

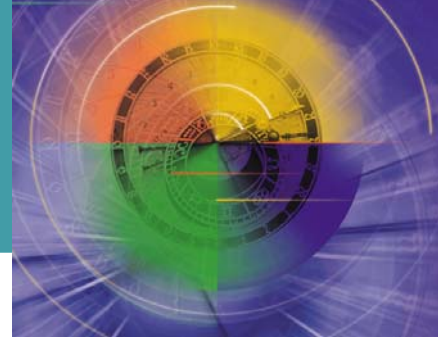
- Up to 9,000 Fingerprint templates for biometric verification/identification
- High resolution 500 dpi
- Allows up to 5 finger templates per person
- Fast 1:1 and 1:N matching speed
- Sensor options: Optical, Capacity, Electric field sensor

## Terminal features:

- Online/offline modes of operation
- Reader options: Barcode, magnetic, proximity, Mifare, smart card
- Complex attendance reporting
- Job reporting / Shop floor control reporting
- Real-time database queries
- **Wireless communication**



# SY-780/A



## Modes of Operation

- **Verification** - verifying employee's fingerprint versus employee's number and badge. Swiping of badge, or entering code, AND placing of finger verify reporter's identity.
- **Identification** - identifying an authorized person by biometric characteristics only
- **Fingerprint template on smart card** - Synel's SY-780/A have the option of ensuring employees' privacy at all times, by storing the template on the employee's personal smart card, and not in an organizational database. This ensures a fast verification process, as well as an unlimited amount of users per system.

## Programming

With the SY-780/A, you have a choice of systems:

### Working offline

There is no need for immediate communication with PC during reporting. All controls and checks are done independently by the terminal. With Syncomm, program your SY-780/A terminal to:

- Operate differently according to the day of the week
- Provide single/multi-step or conditional reporting
- Validate data
- Select the input source (magnetic reader, keyboard, etc...)
- Display the information from the internal database

### Working online

Working with SY-Server:

- Interactive system with external database
- Data is transferred automatically without polling

## General Features

- Scheduling for required functions - for morning and evening periods, set the terminal for "swipe & go"; during the day, leave it set to record jobs.
- Technician mode is available for easy setup of the terminal.
- Enable the activation of a bell according to the day of the week, regardless of the program that runs on the terminal.
- Scheduling modem operation times.
- Displays time in several formats (US< European, military or 12-hour)

## Technical Characteristics

Includes:

- Two relays for bell, door, etc...
- Two sensors (door monitoring etc.);
- Additional serial ports for scale or printers
- Memory: 512 kB, battery-backed  
Dynamic distribution of memory mapping
- Display: Backlit LCD, 2 rows of 16 characters  
Alarm LED for irregularities notification
- Keyboard: 8 functional keys  
10 numeric keys  
2 browsing keys  
4 control keys
- Optional readers:
  - Bar code (3-of-9, interleaved 2-of-5, code 128, Coda Bar)
  - Magnetic (track I, II, III)
  - Proximity (contactless at 125 kHz)
  - Fingerprint recognition
  - Weigand (26, 37, 44 bit)
  - Smart card
  - Mifare (13.56 mHz)
  - HID
  - Indala

## Interfacing

- RS-485 for up to 16 terminals
- RS-232 for Host connection
- Optional:
  - internal 14,400 bps modem
  - Ethernet 10/100 mHz
  - Wireless Wi-Fi 802.11 b
  - Bluetooth Class II

## Sensor Options

### Optical sensor

- Has an extremely durable and scratch resistant sensor surface
- Can recognize virtually everyone's fingerprint quickly and reliably, even when the user has dry, wet, scarred or soiled fingers
- Has a solid sensor surface

### Capacity sensor

- Has relatively hard coated surface as a solid state sensor

### Electric field sensor

- Has a good performance for contaminated fingerprints

## Physical Characteristics

- Dimensions: Height: 17 cm  
Width: 25 cm  
Depth: 9.5 cm  
Weight: 1.120 kg
- Operating temperature: 0 - 40°C
- Humidity: up to 95% RH
- Power Requirements:
  - Operating power - 110/230 Vac @ 100 mA
  - Back-up battery - rechargeable, included



## Synel Industries Ltd.

Yokneam Industrial Park, POB 142, Yokneam 20692, Israel  
Tel: +972-4-9596760 Fax: +972-4-9590729  
e-mail: info@synel.co.il site: www.synel.com

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

