

SY-785



Terminal Features

- Online / Offline modes of operation
- Complex attendance reporting
- Job reporting / shop floor control reporting
- Real-time database queries
- Wireless communication (optional)
- A faster CPU card equipped with a higher frequency
- Flat display surface for better display quality
- Advanced wall mounting device enables aesthetic and secure installation
- A detachable AC power cable

Biometric features:

- Up to 9,000 fingerprint templates for biometric verification/identification
- High resolution 500 dpi
- Fast 1:1 and 1:N matching speed
- Sensor - Active Capacitive



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SY-785

Physical Characteristics

Dimensions

- Height: 17 cm
- Width: 25 cm
- Depth: 9.5 cm
- Weight: 1.12 kg
- Operating temperature: -20 - 60 Celsius
- Humidity: up to 95% RH

Power Requirements

- Operating power (110/230VAC@100mA)
- Back-up battery

Interfacing

- RS-485 for up to 32 terminals
- RS-232 for host connection

Optional

- Internal 14,400 bps modem
- Ethernet 10/100 mbps
- Wireless Wi-Fi 802.11b
- Bluetooth Class II
- POE 802.3af

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 biometric terminals have the option of ensuring employee's privacy at all times, by storing the template on the employee's personal smart card, and not in an organizational database. This ensures that employee's privacy is maintained at all times.

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 and date in several formats (US, European, Military AM/PM)

Technical Specifications

- Two relay for bell and door
- Two sensor for door monitoring
- 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 function keys
- 10 numeric keys
- scroll keys
- 4 control keys

Optional readers

- Barcode 3 of 9, interleaved 2 of 5, code 128
- Magnetic (track I, II, III)
- Proximity (contactless at 125 kHz)
- Weigand (Mifare, HID, and Indala)
- Smart Card

Programming

With the SY-7X5 series 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 (Synel's communication software), the terminal can be programmed to:

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

Working online

Operating with SY-Server:

- The terminal works as an interactive system with an external database
- Data is transferred automatically without polling

Fingerprint Sensor

Active Capacitive Sensor

- Sensor with large active area - 12.8 X 18.0 mm, 256 X 360 pixel active array
- Has a relatively hard coated surface as a solid state sensor
- High image resolution of 508 dpi



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