

SY-7X5 Series

SY-765, SY-785, SY-795

The **NEWEST** technology
at your fingertips!



SY-765



SY-785



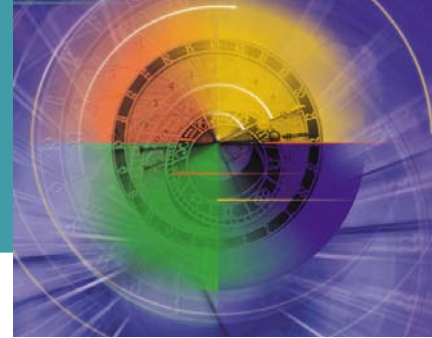
SY-795

- **Terminal features (SY-795):**
 - Graphic display
 - Touch screen
 - Rubber silicon keyboard
 - Reporting by icons (selected on display)
- **Biometric features: (SY-785/SY-795)**
 - Up to 9,000 Fingerprint templates for biometric verification/identification
 - High resolution 500 dpi
 - Fast 1:1 and 1:N matching speed
 - Sensor options: Optical, Capacity
- A faster CPU card equipped with a higher frequency double speed crystal
- Flat membrane keyboard for better display quality (SY-765/SY-785)
- Flexibility - keyboard can be independently replaced
- Advanced hanging device enables aesthetic installation
- A detachable AC power cable



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Modes of Operation (SY-785/SY-795)

- **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 employees' privacy at all times, by storing the template on the employee's personal smart card, and not in an organizational database. This ensures that employees' privacy is maintained at all times.

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, program your terminal to:

- Operate differently according to the day of the week
- Provide single/multi-step or conditional reporting
- Validate data
- Select the input source (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

Sensor Options (SY-785/SY-795)

Optical sensor

- Has an extremely durable and scratch resistant sensor surface
- Can recognize virtually everyone's
- Has a solid sensor surface

Capacity sensor

- Has relatively hard coated surface as a solid state sensor

Comparison table between SY-795, SY-785, and SY-765 terminals

	SY-795	SY-785	SY-765
Fingerprint	Yes	Yes	No
Memory	512	512	512
Functional keys	6	8	6
Numeric keys	10	10	10
Control keys	6	4	4
FP on card	Yes	Yes	No
Magnetic reader	Yes	Yes	Yes
Proximity reader	Yes	Yes	Yes
Barcode reader	Yes	Yes	Yes
Weigand reader	Yes	Yes	Yes
Mifare Reader	Yes	Yes*	Yes*
Printer support	Yes	Yes	No
IO	2-2	2-2	2-2
Wi-Fi	Yes	Yes	Yes
Bluetooth	Yes	Yes	Yes
I²C	Yes	Yes	No
Modem	Yes	Yes	Yes
Weigand output	Yes	Yes	No
Hex KB	Yes	Yes	Yes
Alpha KB	No	Yes	No
Graphic display touch screen	Yes	No	No
Rubber silicon keyboard	Yes	No	No
TCP/IP	Yes	Yes	Yes
POE	Yes	Yes	Yes

*Read only

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)

Interfacing

- RS-485 for up to 32 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
 - POE 802.3 af

Physical Characteristics

- Dimensions: Height: 17 cm
Width: 25 cm
Depth: 9.5 cm
Weight: 1.120 kg
- Operating temperature: -20 - 60°C
- Humidity: up to 95% RH
- Power Requirements:
 - Operating power - 110/230 Vac @100 mA
 - Back-up battery - rechargeable, included



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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

