

INDUSTRIAL MODEL WITH THERMAL PRINTER



Introduction

- The Industrial Model with Printer is specifically intended for Canteen Management Systems. This unit has a thermal printer for producing coupons. The Industrial Model with Printer has a strong metallic body that is suitable for dusty and tough situations. It has a storage capacity of 62,500 records and 9,560 fingerprint templates.
- Industrial Model with printer is one of the biometric devices developed by STAR LINK. It has been designed with thermal printer, which is normally used in canteen management system. It prints coupons as any transaction takes place. And other features are exactly as like other Industrial model of Attendance System.

Features

- Large LCD display
- 62,500 recording capacity
- 9,560 fingerprint template storage
- Built-in Thermal printer
- Heavy duty metallic body
- Built-in battery back-up up to 24 hours
- Built-in TCP/IP connectivity
- Large Red/Green indicators
- Customization possible (according to the requirement)

Technical Specifications of Industrial Model with Printer:-

READER TYPE	SMART CARD	PROXIMITY CARD	FINGERPRINT
Processor	32 Bit RISC MC	32 Bit RISC MC	32 Bit RISC MC
Card Type	1K, 4K	EM Card 32 Bit UID	N/A
Read Range	Up to 60 mm	Up to 120 mm	Up to 60 / 120 mm
Frequency /Modulation	13.56 Mhz.	125 Khz.	125 Khz/13.56 Mhz.
Identification Time	Less than 1 sec.	Less than 1 sec.	Less than 1 sec.
Display LCD	16 x 2 Character	16 x 2 Character	16 x 2 Character
Memory Transaction	62,500 records	62,500 records	62,500 records
Card Masking	15,000 records	15,000 records	9,560 records
Communication Mode	RS 232, TCP/IP	RS 232, TCP/IP	RS 232, TCP/IP
Operating Temperature	5 to 50 °C	5 to 50 °C	5 to 50 °C

Baud Rate	10/100 Mbps	10/100 Mbps	10/100 Mbps
Operating Humidity	10 to 90%	10 to 90%	10 to 90%
Operating Voltage	180-240V AC	180-240V AC	180-240V AC
Dimension (in mm)	H=360, W=290, B=90	H=360, W=290, B=90	H=360, W=290, B=90
Weight	6 kgs.	6 kgs.	6 kgs.
Keypad	4 x 6	4 x 6	4 x 6
Audio/Video Indicators	Buzzer / LED	Buzzer / LED	Buzzer / LED

Scanner Specifications of Industrial Model with Printer:-

- ❑ Dedicated 400MHz DSP 2MB RAM
- ❑ ISO/IEC 19794 Fingerprint Template
- ❑ Sensor Technology: Optical CMOS
- ❑ Sensing Area: 16.0mm × 19.0mm
- ❑ Image Size (Pixels): 272 × 320
- ❑ Image Resolution: 500 dpi
- ❑ Finger Verification Option: 1:N, 1:1
- ❑ Finger Template Size: 384 bytes
- ❑ EER < 0.1%
- ❑ Enrollment Time: 1~1.5 Sec
- ❑ Verification < 0.8 Sec
- ❑ Identification Time: 1~1.5 Sec

Standard Application: Canteen Management System

- Industrial Model with Printer is linked with canteen management software which prints the coupon. The printed coupon acts as a record for the vendor where as the input data acts a record for admin.
- There are two ways that it can be operated which can stop multiple placements of order:-
- **Online Operation through software:-** In this process, once the employee processes his/her order, then his identity and other details are authenticated by the software and then the order is placed and thus receipt is generated. No employee can place multiple order.
- **Smart Card Authentication:-** In this process, an employee has to authenticate by their smart card which includes their details and thus their order will be placed.
- The **Canteen Management System** can be operated in set-ups with different types of order placement related to items or quantity. They are as follows:-
- 1. The first type of order that can be placed is item wise and quantity wise, in which the user can place the order according to their wish without any bar of quantity and item.
- 2. The second option for order placement is that the quantity of any item will be fixed only you have to enter the item.
- 3. The third option for order placement is that the quantity and item are fixed according to the time setting. Suppose if it is noon, then lunch will be served or if it is evening then tea with snacks will be served (depending on the policy of the company).

Operational Modes of Industrial Model with Printer:-

- Only Finger
- Only Card (EM/SMART CARD)
- Card with finger

Note: Combination varies as per the model



Other Utilities : Hooter Interface

- Hooter interface is used to be connected with alarm or hooter that can be fixed through the biometric device, which is used for Breakfast, Lunch & more.
- Industrial Model with Printer can be used for accurate and precise working. It is basically an interface, connected through the serial port with Industrial Model with Thermal Printer.



Why STAR LINK is ahead of others:-

- ❑ Latest technology
- ❑ Superior Standards of quality
- ❑ Customization facility
- ❑ Competitive prices
- ❑ Prompt delivery
- ❑ Excellent after sales services
- ❑ Complete solution as per need

For Any Biometric Needs

Contact US

Star Link Communication Pvt Ltd
D-88/4, Okhla Phase I, Okhla Industrial Area,
New Delhi-110020
Phone: 011 4059 8888(100 Lines)
Email: **sales@starlinkindia.com**
Toll Free No. **1800-11-8088**

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