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# Industrial Bio-STAR

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# Introduction

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Industrial Bio-Star is the industrial version of our standard Bio-Star, which is full of unmatched features that you are looking for. It has 5 lacs recording capacity with up to 10000 fingerprint templates storage capacity. The Industrial Bio-Star is designed to be installed in any industry or factory to manage the attendance records of employees.

The Industrial Bio-Star is featured with audio message in English or Hindi (as per you select) and visual message through two LED lights to confirm the punching status. In fact any other customized messages can be loaded from end user. The Industrial Bio-Star runs on multiple operational modes like fingerprint, card or PIN etc.

This device can be connected through built-in TCP/IP over Ethernet & USB port for data transfer. This device comes with heavy metallic body for industrial purposes and in-built battery for 48 hours battery back-up. Also, the Industrial Bio-Star can be customized according to your requirements.

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# Features

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Larger LCD Graphics display

5 lacs recording capacity

Multiple operational modes

5 lacs recording capacity

Heavy Metallic Body

Built-in battery with 48 hours back-up

2000-10000 finger template storage

Voice guided message in Hindi/English

Built-in Ethernet TCP/IP connectivity/USB Port

Customization possible (according to the requirement)

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# Specifications

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Processor: 32 Bit RISC MCU @ 70MHz

Memory Transaction: 1 GB SD Memory Card almost unlimited records Storage

User Capacity: 10,000

Display LCD: 128x64 STN / YELLOW Graphics Display ( 70.70 mm 38.80 mm )

Identification Time: Less than 1 Sec

USB Port: Support USB Pen drive for data transfer

Card Type: Contactless EM4100 Card (Proximity) I MIFARE (ISO / IEC 14443 A)  
(Smart Card)

Read Range/Frequency: EM Card – up to 120 mm /125KHZ ; MIFARE- up to 60  
mm 113.56 MHz

Communication Method: Serial RS232, Ethernet RJ45 TCP / IP Protocol

Baud Rate (Selectable): (2400 -115200) bps, TCP/IP Ethernet 10/100 Mbps

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Operating Temperature: 0 to 50 degree Celsius

Operating Humidity: 10 to 90% Non-condensing

Operating Voltage: DC 12V , 1 A Through Adapter (Battery Backup Optional)

Keypad: 16 Key (4×4)

Battery: Inbuilt battery 7.2Ah, back up of up to 48 hrs.

Visual Indicator: Red/ Green LED / Message on LCD in English / Other language (Optional)

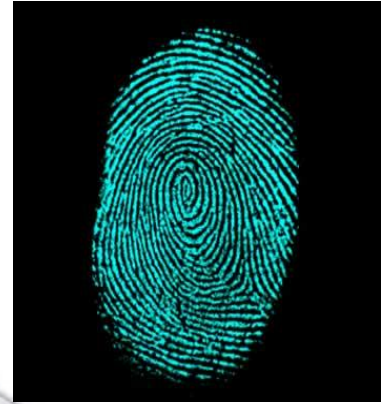
Audio Indicator: Voice Guided message (Adjustable volume) / voice message in other language (optional)/ Customized voice greeting (optional).

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# Operational Modes

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- Only finger
- Only card
- Finger in card
- Card with Password
- PIN
- Password
- Card with finger



# Fingerprint Scanner

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Sensor Technology: Optical CMOS

Sensing Area: 16.0mm × 19.0mm

Image Size (Pixels): 272 × 320

Image Resolution: 500 dpi

Finger Verification Option: 1:N (Only Finger)

Finger Template Size: 384 bytes.

EER < 0.1%

Enrollment Time: 1~1.5 Sec

Verifications < 0.8 Sec

Identification Time: 1~1.5 Sec

FingerPrint storage: 10,000



# Remote Device Management

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Remote Device Management allows us to manage the devices installed at multiple location with ease. Without physical manipulation, Industrial Bio-STAR allows user to do certain things through “**web-based management module**” which eases the operation of device. Also, you can manage device location wise, dept. wise etc.

- Finger Enrolment from any location
  - Addition/Deletion of USER list
  - Data Deletion
  - Date-Time Set
  - Sending finger through server
  - Multiple location device management
  - 2-way communication through Static IP
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# Other Utilities of Bio-STAR

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# Access Control with Bio-STAR

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Access Control is installed in office premises to restrict the unwanted movements.

Access Control Systems are made up of three important mechanisms: a controller, the locks and the access device.

Industrial Bio-STAR can be used as the access device for successful operation. It also generates "**IN** and **OUT**" report for maintenance of records.



# Hooter Interface

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Hooter interface is used to be connected with alarm or hooter that can be fixed through the biometric device, which is used for attendance. Industrial Bio-STAR can be used for accurate and precise working. It is basically an interface, connected through the serial port with the device.



# Guard Tracking

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Industrial Bio-STAR can be used for Guard Tracking application. These devices are installed at certain check-points in the periphery of the company, where guards make some transaction in fixed time intervals.

It generates the report of each transaction done in every machine. You have to use Smart card for the easier operation of this system.



# Service & Support

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# STAR LINK- Memeber of ESAI

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STAR LINK (ISO 9001:2008) has been registered in **ELECTRONIC SECURITY ASSOCIATION OF INDIA** under leading manufacturer of Biometric Devices.



**ELECTRONIC SECURITY  
ASSOCIATION OF INDIA**

**ID - MA0280DL**

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# For Any Biometric Needs

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## **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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**THANK YOU....**

