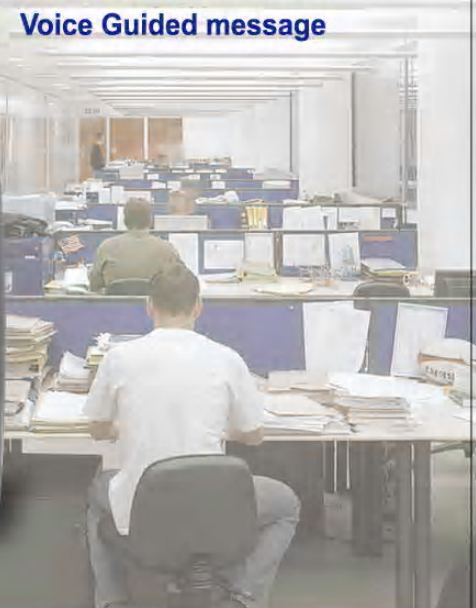




Complete Solution for Attendance & Access Control

SMART CARD READER
PROXIMITY CARD READER
FINGER PRINT READER

User Capacity 10,000
1GB SD Memory Card
32 Bit RISC MCU @ 70MHz
Voice Guided message



Indian Readers with International Features
www.starlinkindia.com

BIO STAR - 09

Processor	32 Bit RISC MCU @ 70MHz
Memory Transaction	1GB SD Memory Card almost unlimited records Storage
User Capacity	10,000 (1900 Finger + Card / Pin)
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	Contact less EM 4100 Card (Proximity) / MIFARE (ISO / IEC 14443 A)
Read Range / Frequency	EM Card up to 120mm / 125 KHZ / MIFARE up to 60 mm / 13.56 MHz
Communication Method	Serial RS232, Ethernet RJ45 TCP / IP Protocol
Baud Rate (Selectable)	(2400 -115200) bps, TCP / IP Ethernet 10/100 Mbps
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 at extra cost)
Keypad	16 Key (4x4)
Dimension / Weight	L:182mm H:155mm W:45mm / 500 grms
Visual Indicator	Red/ Green LED / Message on LCD in English / Other language (Optional at extra cost)
Audio Indicator	Voice Guided message (Adjustable volume) / Other language voice message (Optional at extra cost) / Customize voice greeting optional at extra cost.

FINGER SCANNER

- Sensor technology Optical CMOS
- Sensing area 16.0mm x 19.0mm
- Image size(pixels) 272x320
- Image resolution 500 dpi
- Finger Verification Options 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
- Finger Print storage: 1900



OPERATIONAL MODE

1. Only Finger
2. Only Card (MIFARE/ Proximity)
3. Card with password
4. Card with Finger
5. PIN with password
6. Only PIN (Personnel Identification Number)

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