

User Capacity 10,000
2GB SD Memory Card
32 Bit RISC MCU @ 70MHz
Voice Guided Messages



**SMART CARD READER /
PROXIMITY CARD READER
FINGER PRINT READER**

Industrial Bio-Star

Indian Readers with International Features
www.starlinkindia.com

INDUSTRIAL BIO-STAR

Specification



Processor	32 Bit RISC MCU @ 70MHz
Memory Transaction	2GB SD Memory Card almost unlimited records Storage
User Capacity	10,000 (10,000 Finger + Card / Pin) only Finger limit upto 1600 template
Display	LCD 128×64 STN / YELLOW Graphics Display (70.70mm × 38.80mm)
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, 1A Through Adapter (Battery Backup Optinal at extra cost)
Keypad	16 Key (4×4)
Dimension / Weight	L:330mm H:278mm W:88mm / 6 Kg
Visual Indicator	Red / Green LED / Message on LCD in English / Other Language (Optional at extra cost)
Audio Indicators	Voice Guided message (Adjustable volume). Other Language voice message & Customize voice greetings (Optional at extra cost)
Battery Backup	Inbuilt Battery 7.2AH, Battery Backup upto 48 Hours.

FINGER SCANNER	OPERATIONAL MODE
<ul style="list-style-type: none">◆ Dedicated 400MHz DSP 2 Mbyte RAM◆ 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◆ Finger Print storage: 10,000	<ol style="list-style-type: none">1. Only Finger (upto 1600 only)2. Only Card (MIFARE / Proximity)3. Card with Password4. Card with Finger5. PIN with Password6. Only PIN (Personnel Identification Number)

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Due to continuous product development, the design & specification are subject to change without prior notice.