

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](http://www.starlinkindia.com)

# INDUSTRIAL BIO-STAR

## Specification



<b>Processor</b>	32 Bit RISC MCU @ 70MHz
<b>Memory Transaction</b>	2GB SD Memory Card almost unlimited records Storage
<b>User Capacity</b>	10,000 (10,000 Finger + Card / Pin) only Finger limit upto 1600 template
<b>Display</b>	LCD 128×64 STN / YELLOW Graphics Display (70.70mm × 38.80mm)
<b>Identification Time</b>	Less than 1 Sec
<b>USB Port</b>	Support USB Pen drive for data transfer
<b>Card Type</b>	Contact less EM 4100 Card (Proximity) / MIFARE (ISO / IEC 14443 A)
<b>Read Range / Frequency</b>	EM Card up to 120mm / 125 KHz / MIFARE up to 60 mm / 13.56 MHZ
<b>Communication Method</b>	Serial RS232, Ethernet RJ45 TCP / IP Protocol
<b>Baud Rate (Selectable)</b>	(2400-115200) bps, TCP / IP Ethernet 10/100 Mbps
<b>Operating Temperature</b>	0 to 50 degree Celsius
<b>Operating Humidity</b>	10 to 90% Non-condensing
<b>Operating Voltage</b>	DC 12V, 1A Through Adapter (Battery Backup Optinal at extra cost)
<b>Keypad</b>	16 Key (4×4)
<b>Dimension / Weight</b>	L:330mm H:278mm W:88mm / 6 Kg
<b>Visual Indicator</b>	Red / Green LED / Message on LCD in English / Other Language (Optional at extra cost)
<b>Audio Indicators</b>	Voice Guided message (Adjustable volume). Other Language voice message & Customize voice greetings (Optional at extra cost)
<b>Battery Backup</b>	Inbuilt Battery 7.2AH, Battery Backup upto 48 Hours.

FINGER SCANNER	OPERATIONAL MODE
<ul style="list-style-type: none"><li>◆ Dedicated 400MHz DSP 2 Mbyte RAM</li><li>◆ Sensor Technology: Optical CMOS</li><li>◆ Sensing Area: 16.0mm × 19.0mm</li><li>◆ Image Size (Pixels): 272 × 320</li><li>◆ Image Resolution: 500 dpi</li><li>◆ Finger Verification Option: 1:N (Only Finger)</li><li>◆ Finger Template Size: 384 bytes.</li><li>◆ EER &lt; 0.1%</li><li>◆ Enrollment Time: 1~1.5 Sec</li><li>◆ Verifications &lt; 0.8 Sec</li><li>◆ Identification Time: 1~1.5 Sec</li><li>◆ Finger Print storage: 10,000</li></ul>	<ol style="list-style-type: none"><li>1. Only Finger (upto 1600 only)</li><li>2. Only Card (MIFARE / Proximity)</li><li>3. Card with Password</li><li>4. Card with Finger</li><li>5. PIN with Password</li><li>6. Only PIN (Personnel Identification Number)</li></ol>

*Sales & Support Also Available At :*

- Ahmedabad • Alwar • Agra Baddi • Bangalore • Bhubaneshwar • Chandigarh • Chennai
- Dehradun • Faridabad • Gorakhpur • Gurgaon • Guwahati • Haridwar • Hyderabad
- Indore • Jaipur • Jamshedpur • Jammu • Kanpur • Kolkata • Ludhiana • Lucknow
- Mumbai • Nasik • Nepal • Noida • Nagpur • Pune • Raipur • Rudrapur • Solan
- Surat • Thiruvananthapuram



## STAR LINK COMMUNICATION PVT. LTD.

Regd. Office: D-88/4, Okhla Industrial Area, Phase-1, New Delhi 110020 (INDIA)

Tel. : +91-11-40598888 (100 Lines), Fax: +91-11-40526082, Email: sales@starlinkindia.com

Works: Plot No. 2/5, Mall Road, Solan, H.P. - 173212, (INDIA)

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