

## Complete Customized Solution For Attendance & Access Control

# BIO TRACK

User Capacity - 15,000 Templates  
32 Bit RISC Micro Processor  
4GB SD memory card  
Voice Guided Message in  
Hindi/English

### **FINGER PRINT /SMART CARD READER**

Data Through Mail  
Time Synchronization  
Data Push Technology  
GPS Remote Tracking  
Client/Server Mode  
Camera, GPRS(sim card), Wifi(optional)  
Web interface



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**A GENERATION NEXT JEWEL -BIO TRACK**

Processor	32 Bit RISC micro processor
Display	TFT 3.2" 320x240 Graphics Display(48.20mm x 64.80mm)
Memory Transaction	4 GB SD memory card more than 5 lacs records
User Capacity	15,000(Finger+Card/Pin),2000 finger templates storage
Card	It supports 8 to 16 digits alphanumeric card number
Identification Time	Less than 1 Sec.
Communication Method	Serial RS 232, Ethernet,TCP/IP/GPRS(sim card)and wifi(optional)
GPS	GPS navigation(longitudinal and latitudinal details), Geo Fencing
Connectivity Method	Built in USB port for data transfer
Card Type	Contact less EM 4100 card(Proximity)/(ISO/IEC 14443 A)
Read Range/Frequency	EM Card up to 120mm/125KHz: up to 60mm/13.56MHz
Baud Rate(Selectable)	(2400-115200)bps,TCP/IP Ethernet 10/100 Mbps
Operating Temperature	0 to 50°C
Operating Humidity	10 to 90% Non-Condensing
Operating Voltage	DC 14V,1A through adapter
Battery Backup	5hrs in continuous punching mode, 8.30hrs when scanner and LCD backlight is off
Keypad	Touch screen and joy stick
Dimension/Weight	L:80mm H:193mm W:53mm/ 460 grams
Visual Indicator	Red/Green Indicator for visual attendance confirmation/message on LCD.other language(optional at extra cost).
Audio Indicator	Voice guided message in Hindi/English (for acceptance & rejection).voice messages in other language & customized voice greetings(optional at extra cost)
Mail	It supports SMTP & SSL protocol
Time Synchronization	Time Synchronization(NTP) automatically from the server
Client/Server Mode	In client mode machine connects to the server.In server mode machine accepts the TCP/IP connection from computer
Camera	Inbuilt camera (Camera takes photo while attendance punching) Selectable Image Size 640x480, 320x240, 160x120 pixels
Web Based	Various machine configuration can be done through web interface with password protect
User Scope	Hand held for mobile attendance or any other authenticated transaction Wall mounted attendance or access control with EM local support Slave reader and Exit switch for Exit

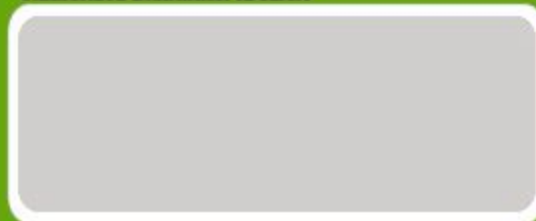


## BIO TRACK

### FINGER SCANNER

- ★ Dedicated 400MHz DSP 2 MB RAM
- ★ Sensor Technology: optional CMOS
- ★ Sensing area: 16mm x 19mm
- ★ Image size(pixels): 272 x 320
- ★ Image resolution: 500dpi
- ★ Finger verification option: 1:N, 1:1
- ★ Finger template size: 384 bytes
- ★ EER < 0.1%
- ★ FAR/ FRR: 0.01% / 0.001%
- ★ Enrollment time: 1-1.5 Sec
- ★ Verification < 0.8 Sec
- ★ Identification Time: 1-1.5 Sec
- ★ Finger print storage: 15,000

**Authorized Distributor /Dealer:**



### OPERATIONAL MODE

1. Only finger(upto 2,000 only)
2. Only card(proximity/smart card)
3. Card with password
4. Card with finger
5. Pin with password
6. Pin with finger
7. Only pin(personal Identification Number)

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