



**BioScribe**  
2C

Sharp looks, add-on features with field proven time tested hardware define this device offering.

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## Key Features

### ► Biometric Attendance Device

Get distinct advantage of field proven fingerprint authentication technology for recording employee attendance. The device has an option of having inbuilt battery for 2 hours of operational backup which ensures that attendance is recorded even during mains failure.

### ► GSM For Data Transfer

The device has an option of having inbuilt GSM for data transfer. This is very handy for locations where there are no means of network connectivity. Attendance records can be transferred directly to the server without any intervention.

### ► Sculpted Finish

Elegant smooth finish provides BioScribe series of devices an enhanced appearance. With desirable characteristics such as resistance to moisture and other environmental agents. A solid gray tonality which helps it to easily merge with surrounding interiors, making for a chiselled decor.

### ► Field Upgradable Software

Facility to onsite update device software through Ethernet interface. The product updates can easily be applied without the need of removing device and sending it back to the service center.

# BioScribe

## 2C



RUGGED OPTICAL  
FINGERPRINT SENSOR



3.5" COLOUR TFT  
WITH TOUCHPAD



SCULPTED  
FINISH



OPTIONAL 2 HRS.  
BATTERY BACKUP



OPTIONAL  
GSM

### ► Inbuilt RJ45 Network Interface

Leveraging on the merits of IP based networkable device, this product can easily be hooked on to the existing TCP/IP network. Thus the data can be transferred in real time mode to a centralized server for instant usage.

### ► Rugged Optical Fingerprint Sensor

Equipped with most reliable fingerprint matching algorithm to ensure unrivaled accuracy with best verification results. Auto finger update helps in keeping track of finger changes over the period thus takes care of dry, wet and swollen fingers.

### ► Multiple RFID Technologies

Supports popular RFID technologies with inbuilt EM reader and option of having Mifare, HID iClass and HID Prox readers. Fingerprint template can be stored on Mifare card to facilitate data portability & unlimited users.

**HARDWARE**

Finger Print Module	533 MHz, 32 bit, Dedicated DSP processor
CPU	8 bit Microcontroller running at 42 MHz
Memory	4MB Data flash, 32KB RAM
Finger Print Sensor	Most rugged and accurate optical finger print sensor
Resolution	Fingerprint scanner with 500dpi resolution
EER	<0.1%
Card Reader Support	Inbuilt EM reader** (optional Mifare†, HID Prox**, HID iClass† reader) for 1:1 match
Verification Time	1:1 match < 0.7 sec, 1:N match < 0.7 sec for less than 1000 fingerprint templates
Template Storage	9000 fingerprint templates on fingerprint module
Database	30,000 User database, Support of 4500 user with 2 fingerprint templates
Transactions	55,000 Time stamped events storage capacity
Authentication Mode	Configurable mode : Only Finger, Only card, Card + Finger
RTC	Non volatile real time clock calendar, Data retention for 10 years without external power
Display	3.5" Color TFT, Resolution 480x320 pixels
Touchpad	Capacitive touchpad, surface hardness >=6H
Audio	Inbuilt piezo buzzer
Ethernet	10 Base-T RJ45 ethernet interface (TCP/IP)
GSM	Optional GSM - Quad Band GSM850/900,1800/1900/2100/2400. Supports 4G/3G/2G
Reader Interface	Weigand configurable from 26 bits to 64 bits/Clock Data
Lock Interface	One potential free changeover relay, Contact rating 3A/30VDC
Aux Reader Port	One card reader port, can be used as Input or output for weigand or clock/data
Digital Inputs	Optically isolated one input for exit switch & two general purpose input (GPI)
Digital Outputs	One general purpose output, potential free changeover relay, Contact rating 3A/30VDC
Door Sensor	Optically isolated input for one door sensor
Watchdog	Inbuilt watchdog supervisor
Supply Requirement	12VDC / 1A Switch mode supply
Power	Less than 5 watt
Battery	Optional lithium battery 3.7V/2000 mAH for 2 hrs of operational backup
Enclosure	ABS housing with sleek aesthetics
Operating Temp.	0 to 50°C
Humidity	RH 5 to 95% Non-Condensing
Weight	490grams
Dimensions (mm)	H 130 x W 170 x D 51

\*\* EM Prox - 125KHz (4100, 4102, 4200) and HID Prox - 125KHz (ProxCard II)  
 † Mifare - 13.56MHz (Mifare 1K/4K, DesFire, DesFire EV1) and iClass - 13.56MHz (iClass 16k/32k)

Technical specifications may be changed from time to time without any prior notice due to continuous enhancements in the product.



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