



BioStamp
3S

A new generation of biometric device with perfect blend of quality, aesthetics and spectra trust.



Key Features

► Standalone Biometric Access Controller

Get distinct advantage of field proven fingerprint authentication technology and rugged optical sensor for allowing access to restricted areas. Supports inbuilt multiple options of RFID card technologies for 1:1 match.

► IP65 Weatherproof Housing

Product enclosure is designed to meet IP65 standard of protection. This gives complete protection from dust particles, rainwater, airborne pollutants and such other environmental threats.

► Ultra Sleek Design

BioStamp series of product boasts of high aesthetics and ultra modern design. Sleek form factor helps in even installing the product directly on the door panels. Color TFT display (1.77") makes it a unique device of this size.

► 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.

► High Speed Controller with Large Memory

The device has high speed 32 bit microcontroller and large data storage of 8GB. It has a capacity to store 250,000 user database along with fingerprint template. Additionally it has capacity to store last 500,000 transactions.

► Data Communication

This device also supports IPv6 protocol in addition to IPv4, making it future ready. Wifi enables the device to connect seamlessly with Wifi network. It also supports host of protocols such as FTP, HTTP, NTP, SNMP & SSL.

► Inbuilt Camera

The device has an inbuilt VGA camera to capture the images. It can be configured to capture the image on certain pre-defined events e.g. an invalid attempt to access the restricted area can be captured and used for verification.

► Tamper Proof

Device offers security and generates alarms in case someone tries to fiddle with it. The alarm can be in soft mode e.g. on computer screen or alert on a predefined email.

HARDWARE

Finger Print Module	1 GHz , 32 bit, Dedicated DSP processor with 256 bit AES fingerprint data encryption
CPU	32 bit Microcontroller running at 200 MHz
Memory	8GB Data flash, 2MB RAM
Finger Print Sensor	Most rugged and accurate optical fingerprint sensor
Resolution	Fingerprint scanner with 500 dpi 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 < 0.4 sec, 1:N match < 0.4 sec for less than 1,000 fingerprint templates
Template Storage	25,00,000 fingerprint template storage for 1:1 match (25,000 Templates for 1:N match)
Database	250,000 user database, support of upto 10 fingerprint templates per user
Transactions	500,000 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	1.77" Color TFT
Audio	Inbuilt piezo buzzer
Camera	Inbuilt VGA camera to capture snaps on specific events
Communication	10/100 Base-T RJ45 ethernet interface
WiFi	Inbuilt WiFi 802.11 b/g/n, Encryption : WEP Security : WPA/WPA2-Personal
Bluetooth	Mobile access support over bluetooth Smart (v4.2)
Protocols	Supports TCP/IP IPv4 & IPv6, FTP, HTTP, NTP, SNMP & SSL
Reader Interface	Weigand configurable from 26 to 255 bits/Clock Data
Lock Interface	One potential free changeover relay, contact rating 3A/30VDC
Aux Reader Port	One weigand port is available can be used as weigand IN or weigand OUT, configurable
Digital Inputs	Optically isolated one input for exit switch & two general purpose input (GPI)
Digital Outputs	One general purpose output (GPO) TTL level
Door Sensor	Optically isolated input for one door sensor
Tamper Detect	3 axis accelerometer for tamper detection
Watchdog	Inbuilt watchdog supervisor
Supply Requirement	Regulated 12V DC/1A
Power	3.5 watt max.
Enclosure	IP65 rated weatherproof ABS-PC housing with sleek aesthetics
Operating Temp.	-15 to 55°C
Humidity	RH 5 to 95% Non-Condensing
Weight	295grams
Dimensions (mm)	H 207 x W 40 x D 42

** 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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