



BioStamp
2C

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



Key Features

► Standalone Biometric Access Controller

Get distinct advantage of field proven fingerprint authentication technology for allowing access to any restricted area. Offers ease of installation as less wiring is required in comparison to conventional control panel.

► 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.

► Ultra Sleek Design

BioStamp series of product boasts of high aesthetics with ultra modern design, sleek form factor helps in even installing the product directly on the door panels. Light grey base colour of the product gels well with most of the interiors.

► Inbuilt RJ45 Network Interface

Leveraging on the merits of IP based networkable devices, 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.

► 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.

► 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.

► Rugged Optical Fingerprint Sensor

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

► 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	533 MHz, 32 bit, Dedicated DSP processor with 256 bit AES fingerprint data encryption
CPU	8 bit Microcontroller running at 42 MHz
Memory	4MB Data Flash 32KB RAM
Finger Print Sensor	Most rugged and accurate optical fingerprint sensor
Resolution	Fingerprint reader with 500 dpi resolution
EER	<0.1%
Card Reader Support	Inbilit 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	Non volatile memory to store 1900 finger print templates (optional 9000 templates)
Database	30,000 user database
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
LED Display	Tri colour LED indication to display verification results
Audio	Inbuilt piezo buzzer
Communication	10 Base-T RJ45 ethernet interface (TCP/IP)
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 reader input port is available for exit weigand or clock/data reader
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	12VDC / 1A Switch mode supply
Power	Less than 5 watt
Enclosure	IP65 rated weatherproof ABS-PC housing with sleek aesthetics
Operating Temp.	0 to 50°C
Humidity	RH 5 to 95% Non-Condensing
Weight	290grams
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.



RIGHT AHEAD