

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
Finger Print Sensor	Most rugged and accurate optical finger print sensor
Resolution	Finger print reader with 500 dpi resolution
EER	<0.1%
Reader Support	Inbulit proximity 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 finger print templates
Template Storage	Non volatile memory to store 1900 finger print templates (optional 9000 templates)
Database	30,000 Employees database
Transactions	55,000 Time stamped events storage capacity
RTC	Non volatile real time clock calendar, Data retention for 10 years without external power
Display	Tri colour LED indication to display verification results
Communication	10 Base-T RJ45 ethernet interface (TCP/IP) with status LED indications
Reader Interface	Weigand configurable from 26 bits to 64 bits/Clock Data
Lock Interface	1 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	One input for exit switch/two general purpose input (GPI)
Digital Outputs	One general purpose output (GPO) TTL level
Digital Sensor	Optically isolated inputs for one door sensor
Watchdog	Inbuilt watchdog supervisor
Supply Requirement	12VDC / 1A Switch mode supply
Power	Less than 5 watt
Enclosure	IP65 rated weatherproof housing with sleek aesthetics
Weight	290g
Dimensions (mm)	H 207 x W 40 x D 42

SOFTWARE

Registration Mode	Supports fingerprint registration through application software
Two Finger Support	Provision to register two fingers per user, one finger in case used in auto mode
Authentication Mode	Only Finger, Only card, Card + Finger
Time Zones	30 user defined time zones
Access Groups	250 Access Groups
Day Access	Day of the week access
Week off Groups	30 Week Off Groups
Holiday Groups	10 Holiday groups, 30 holiday per group
Antipassback	Door wise antipassback
Interlocking	Interdoorlocking facility available

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







## BioStamp 2C



RUGGED OPTICAL  
FINGERPRINT SENSOR



ULTRA SLEEK  
DESIGN



IP65 WEATHER  
PROOF HOUSING



FIELD UPGRADABLE  
SOFTWARE



TAMPER  
PROOF

### 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 for both hot and cold climates. 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 so that any customization or product updates can be easily upgraded without any need of removing the device and sending it back to 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 or alternatively it can also trigger a remotely located buzzer.