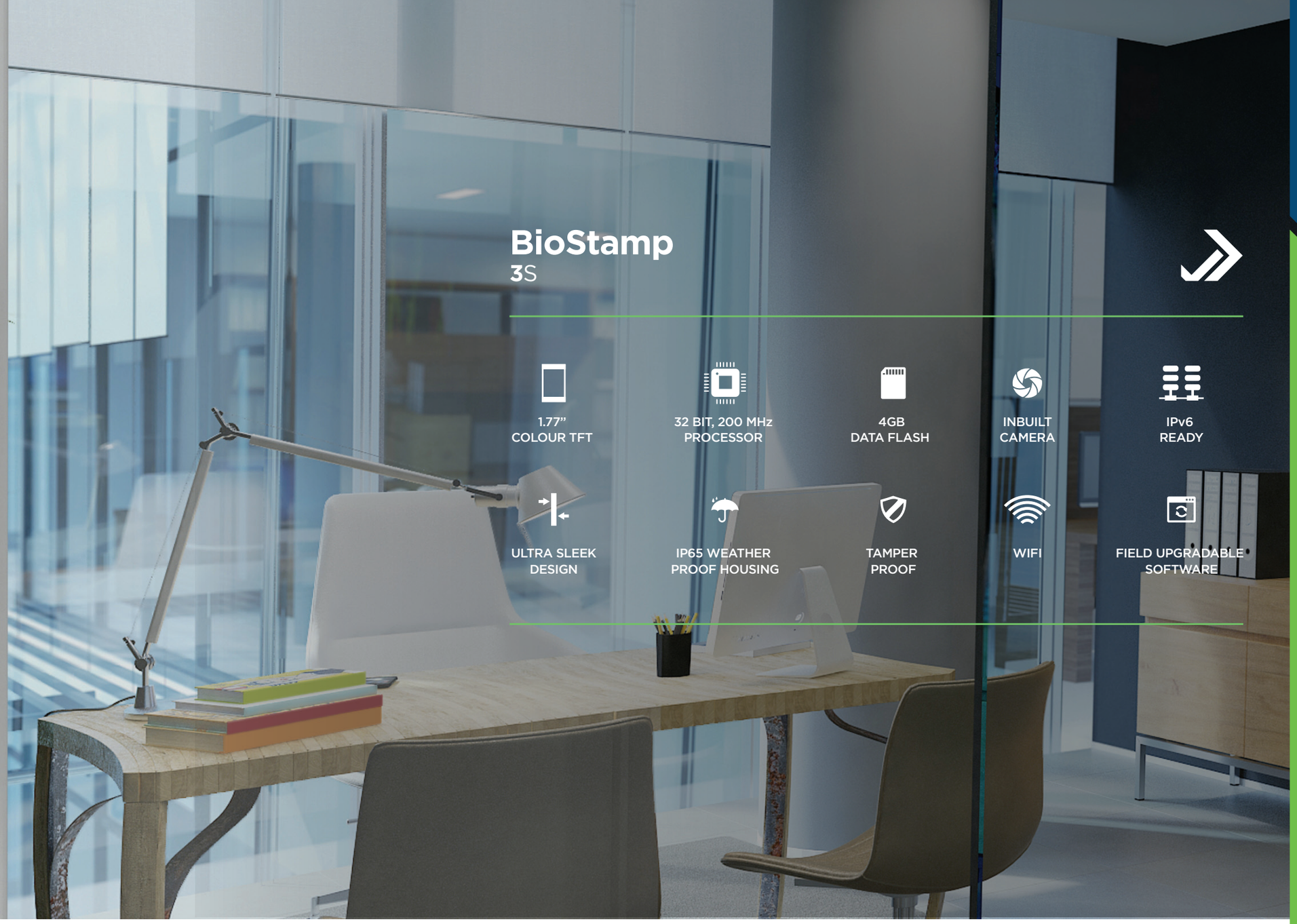
SPECTRA
RIGHT AHEAD

BioStamp
3S

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



BioStamp
3S

- 1.77" COLOUR TFT
- 32 BIT, 200 MHz PROCESSOR
- 4GB DATA FLASH
- INBUILT CAMERA
- IPv6 READY
- ULTRA SLEEK DESIGN
- IP65 WEATHER PROOF HOUSING
- TAMPER PROOF
- WIFI
- FIELD UPGRADABLE SOFTWARE

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 4GB. It has a capacity to store 200,000 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 SNMP, SMPT, HTTP, FTP, SSL & NTP

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.

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HARDWARE

Finger Print Module	533 MHz, 32 bit, Dedicated DSP processor with 256 bit AES fingerprint data encryption
CPU	32 bit Microcontroller running at 200 MHz
Memory	4GB 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	Inbulit 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	200,000 fingerprint template storage
Database	200,000 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 user photograph
Communication	10/100 Base-T RJ45 ethernet interface
WiFi	Inbuilt WiFi 802.11 b/g/n, Encryption : WEP/TKIP/AES, Security : WPA/WPA2
Protocols	Supports TCP/IP IPv4 & IPv6, SNMP, HTTP, FTP, NTP, SSL, SMTP
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	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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