

# StarProx® BMX1000

## Biometric Mifare Access System

The StarProx® Biometric Mifare Access System (BMX1000) is the latest product release from Sierra Technology. It is a single-door controller system designed to provide added security, reliability and efficiency. The BMX Series comes complete with a built-in Sagem (France) optical sensor based Biometric fingerprint scanner and ISO14443 / Mifare® RFID encoder (reader/writer).



### ~ System Specifications ~

|                               |   |
|-------------------------------|---|
| Communications                | 10/100TX Ethernet TCP/IP using Wiznet Hardware TCP/IP Offload Platform (TOP)  |
| Micro Processor               | Microchip PIC RISC $\mu$ C  |
| Biometric Fingerprint Scanner | Integrated optical sensor based Compact Biometric Module (CBM) from SAGEM MorphoSmart™ (France).<br>Thin Optical Sensor (500 dpi@ 8bit/pixel) with Active area: 14 mm X 22 mm<br>MyKad Biometric Compliance Ready.<br><br><u>Authentication / Verification [1:1]</u><br>Enrol unlimited templates onto ISO14443A / Mifare® contactless smart card.<br>Verification time < 0.8 second<br><br><u>Identification [1:N]</u><br>1,000 templates storage CBM (for 1:N)<br>Identification time < 1.0 second<br><br>Tuneable False Acceptance rate (FAR)<br>From 1% down to 0.0000001% to suite various user environment and finer types. |
| Embedded Database Storage     | Up to 16,000 ID / card holder records<br>Up to 32,000 time stamped event records  |
| LCD display                   | 2x20 alphanumeric LCD with backlit  |
| Keypad                        | 3x4 rubberised numeric keypad with backlit  |
| RFID Frequency                | 13.56MHz / ISO14443A / Mifare®  |
| Reading Range                 | Up to 50 mm   |
| Input voltage                 | 500mA, 12V DC   |
| Anti-Tamper Switch            | Yes   |
| Dimensions (mm)               | 143H x 157W x 39D / ABS (Black Colour)  |
| Optional Auto Time Update     | SNTP Compliant (requires internet access)   |

- The BMX1000 Series is an integrated Biometric Reader with ISO14443A/B Mifare® contact-less smart card RFID reader and controller in one compact package.

- Integrated optical sensor based Biometric (Sagem/France MorphoSmart™ CBM) for higher reliability. MyKad Biometric fingerprint template compatible (option).

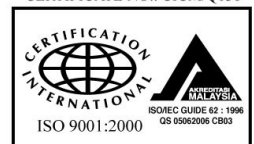
- Based on the latest field proven ISO14443 compliant (and field upgradeable for dual ISO14443/15693 modes) Philips ASIC, these products are designed with on-board integrated RF antenna to offer very high system reliability and consistent reading ranges.

- The Microchip PIC microcontroller powered computer also comes with up to 8 Mb of high endurance SRAM memory storage which is suitable for applications that require storage of cardholders and real-time transactions on-board.

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