

StarProx® BMX1000

Biometric Mifare Access System

The StarProx® Biometric Mifare Access System (BMX) 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).



- 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.

~ System Specifications ~

Communications	10/100Tx auto-switching fast Ethernet TCP/IP
Processor	Microchip PIC microcontroller
Fingerprint Scanner	Integrated optical sensor based Biometric (Sagem/France MorphoSmart™ CBM) for higher reliability. MyKad Biometric fingerprint template compatible (option).
Memory Capacity	Stores up to 8,000 user IDs / either RFID CSN or Mifare Application Directory (MAD) sector based user generated ID. Stores up to 16,000 time-stamped event transactions on board.
Data Memory / Retention	8Mb SRAM
Real-time Clock	Battery Backed (40mA, NiMH)
Input voltage	500mA, 12V DC
LCD display	2x20 alphanumeric LCD with backlit
Keypad	3x4 rubberised numeric keypad with backlit
Anti-Tamper switch	Yes
RFID Frequency	13.56MHz / ISO14443
Smartcard Standard	Compliant with ISO14443 Type A/B
Reading Range	Up to 50mm
Card Data Format	Wiegand 26/44 bits (customizable)
Casing Material	ABS (Black Colour)
Dimensions (H x W x D)	143mm x 157mm x 39mm

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Sierra Technology (M) Sdn. Bhd. (Company No. 267857-U)

27, Jalan SS25/41, Mayang Industrial Park, 47301 Petaling Jaya, Selangor, Malaysia.

Telephone: (603) 7806-3966 Facsimile: (603) 7806-3900

Homepage: <http://www.sierra.com.my> Email: sales@sierra.com.my

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