

StarProx® BMT1000

Biometric Mifare Time Clock System

The StarProx® Biometric Mifare Time Clock System (BMT1000) is the latest product release from Sierra Technology. It is a single-door controller system designed to provide added security, reliability and efficiency. The BMT 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 μ C
Biometric Fingerprint Scanner	Integrated optical sensor based Compact Biometric Module (CBM) from SAGEM MorphoSmart™ (France). Thin Optical Sensor (500 dpi@ 8bit/pixel) with Active area: 14 mm X 22 mm MyKad Biometric Compliance Ready. <u>Authentication / Verification [1:1]</u> Enrol unlimited templates onto ISO14443A / Mifare® contactless smart card. Verification time < 0.8 second <u>Identification [1:N]</u> 1,000 templates storage CBM (for 1:N) Identification time < 1.0 second Tuneable False Acceptance rate (FAR) 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 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 BMT1000 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).

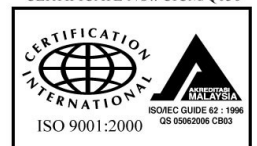
- Based on the latest field proven ISO14443 compliant (and field upgradeable for dual ISO14443/15693 modes) Philips ASIC, these products are designed with on-board integrated RF antenna to offer very high system reliability and consistent reading ranges.

- 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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