

# Fingerprint Access Control with Time Attendance Solution

MODEL: **BIOSEC-09**



BioSC-09



BioSR-100

No more carrying card

Eliminating "buddy-punching"

And never worry about losing your card

## BioSC-09 Features

- Fingerprint reader with durable highly accurate ZK optical sensor
- Capacity to store 3,000 templates and 100,000 transactions
- 1-touch 1-second recognition
- Latest ZK fingerprint matching algorithm VX10.0
- Supports 50 time zones, 5 groups and 10 unlock combinations
- Tamper-proofs switch and alarm outputs
- Standalone operation
- Support USB flash drive for data transfer of log and templates
- Allow slave reader connection, **BioSR-100** (optional)
- LCD Display
- Audio Indications
- TCP/IP and RS485 connection



## Technical Specification

### Capacity

- ❖ Templates: 3,000
- ❖ Transaction: 100,000

### Verification/Identification

- ❖ Verification mode: 1:1 or 1:N
- ❖ Verification time: 1:1 <= 1 second  
1:N <= 2 seconds
- ❖ FRR: <= 1%
- ❖ FAR: <= 0.001%

### Communication

- ❖ RS232 (10m) / RS485 (1.2km)
- ❖ TCP/IP Ethernet 10/100M
- ❖ Baud Rate 9,600 – 11,500bps
- ❖ Wiegand: Input and Output

### Display

- ❖ Two lines LCD
- ❖ 16 Character per line

### Keypad

- ❖ 4x4 keypad with 4 function keys

### Power

- ❖ 12VDC
- ❖ Idle 60mA, Operating 450mA
- ❖ Relay Output: 12VDC 3A

### Environment

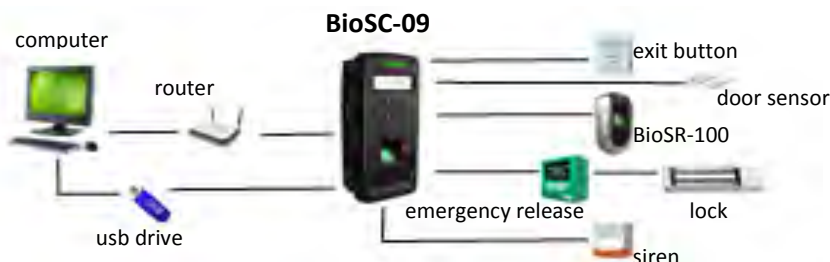
- ❖ Operating Temperature: 0°C-42°C
- ❖ Operating Humidity: 20% - 80%

### Housing

- ❖ ABS Sand Brush

### Dimensions (controller)

- ❖ LxWxD: 212.3 x 95.8 x 53.5mm



typical connection diagram