

# BioLink SC-NET

**Network-enabled contactless  
smart card reader**

BioLink SC-NET is a network-enabled contactless smart card reader with an embedded controller for access control and T&A systems.

## Key Features

- Fully integrated with BioTime® for enterprise-wide time management and access control
- Built-in controller to operate electromechanical, - magnetic locks, turnstiles, etc.
- Connection to alarm system, door sensor and exit button
- Operation modes: standalone or network
- Fast identification speed. Card read speed 0.03 sec
- Flash memory to store up to 50,000 events and up to 30,000 cards
- Stylish innovative design
- Tri-color LED indicator and buzzer to notify on successful/failed identification
- Web-interface to view, copy and edit data remotely
- Water/dust resistant plastic housing



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## Components

- Mifare card reader
- Door hardware controller
- Tri-color LED
- Buzzer
- Communication interfaces: Ethernet, Wiegand In/Out, RS 232/485, mini-USB (external)

## Operation

The device reads contactless card to identify a user; the relevant clock-in/clock-out event is recorded.

BioLink SC-NET compares the data in the card with the database in its memory: if the same IDs are detected, LED illuminates green, otherwise it flashes red.

The event is recorded in the internal memory of the device and subsequently synchronized with the central BioTime® database (in network mode).

Once access is granted, the embedded controller sends a signal to open the door.

## Identifiers

- Mifare contactless cards
- Optional - HID/iClass cards

## User Notification on Successful/Failed Identification

Color indication:

- blue - standby mode
- red - access denied
- green - access granted

Audio indication

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## BioLink SC-NET & BioTime

- Contactless reader BioLink SC-NET can be used as a component of BioLink BioTime® T&A and Access Control system.
- It restricts employee's access to offices, server rooms and inventories.
- If used for the first time, the database with employees' information is automatically downloaded via the network from the central BioTime server.
- Real-time registration of clock-in/clock-out and similar events (lunch, meeting, etc.) by using an employee's card; the data collected is transferred to the BioTime® server.
- If the network temporarily fails, records are accumulated in the device internal memory and, once connection is restored, are automatically communicated to the server.
- The reader can be used as a standalone device. If BioLink SC-NET has no network access, the data can be copied to a laptop for subsequent transfer to the BioTime® server.

## Installation & Application

- Ethernet interface
- The only requirements for mounting are power supply and Ethernet cable.
- Optional power supply via Ethernet (POE)
- The delivery set comprises all items required for mounting (mounting template, wall mount, self-tapping screws and screwdriver).



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## BioLink SC-NET: network-enabled card reader

### Identifiers

- Contactless smart cards

### Types of Cards

- Mifare / HID / iClass

Read Range - 50-100 mm.

Access Control - Controller of door hardware

Tamper Alarm Detection - Yes

Identification Speed - < 0,03 sec.

Cards in Memory - 30,000

Clock-in/Clock-out Events in Memory - 50,000

Display - No

Keypad - no

Interfaces - Ethernet, Wiegand In/Out, RS 232/485

POE - Yes

Power Supply - 12 V / 3 A

Indicators - Tri-color LED

Dimensions (L x H x W) - 153 \* 95.5 \* 35.5 mm

Operating Temperature Range - 32°F to 105°F  
(0°C to 45°C)

Recommended Temperature Range - 23°F to 82°F  
(10°C to 35°C)

Atmospheric Pressure - Normal

Housing - ABS plastic

Design - Wall-mounted device

### Operation Modes:

- Standalone device
- Component of BioTime®