

BioLink FingerPass TM

Biometrically-enabled terminal for time management systems

BioLink FingerPass TM is a biometrically-enabled cost-effective terminal for time management systems. The terminal is a proper choice for time attendance in large-scale enterprises (hotels and business centers, manufacturing facilities, commercial premises and warehouses) with no need for access control. It also suits small- and middle-sized companies intending to have their work time managed but unwilling to overpay extra functions.

Key Features

Fast identification speed

Color LCD display with backlight enables comfortable usage in poorly lit rooms

Operation modes: standalone device or via IP-network

Flash memory: stores up to 1500 fingerprints and 50,000 events

Bi-color LED indicates accepts/reject events

User-friendly sensor keypad

Advanced security through the utilization of the innovative fingerprint matching algorithm. Fingerprints are stored as digital templates; there's no way to restore of the original fingerprint image from template.

Components:

- 32-bit processor
- Optical fingerprint scanner (resolution - 500 dpi)
- Contactless card reader
- Graphical color LCD display
- Bi-color LED indicator (red and green)
- 16-key sensor keypad
- Buzzer

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FingerPass

Operation

The device reads user's fingerprint and establishes his/her identity; the relevant clock-in/clock-out event is recorded in the terminal.

The terminal compares the fingerprint scanned with digital templates database stored in its memory: if identification is successful, LED illuminates green and employee's name and event type appears on LCD Display, otherwise LED flashes red. In network mode, the fingerprint templates database is uploaded to the terminal automatically from BioTime server. Employees also can be identified by contactless cards or PIN-code.

Identification options

- Fingerprints
- Contactless cards
- PIN-code
- Combination of identifiers (PIN + fingerprint)

Employee Notification on Successful/Failed Identification

- On-screen text messages
- Color indication
- Voice messages

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BioLink FingerPass TM & BioTime®

Biometric terminal BioLink FingerPass TM is intended to be used as a component of BioLink BioTime® T&A system.

Real-time registration of check-in/checkout events through fingerprints; collected events are automatically synchronized with the BioTime® server.

If the network is temporarily unavailable, the terminal operates in a standalone mode; clock-in/clock-out records are accumulated in the terminal flash-memory to be subsequently uploaded to the BioTime® once connection is restored.

Centralized management, diagnostics and adjustment of settings of terminals.

Optionally, the terminal can be used without network connection. In this case collection of clock in/clock out events is performed in a standalone mode. To have this data synchronized, it can be copied to a notebook with BioTime® software installed for subsequent transfer to the central BioTime® server.

Installation & Application

- Requires 12V power supply and Ethernet cable
- Optionally supports power supply via Ethernet (POE)

BioLink Solutions

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BioLink Solutions Distributor:

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Identifiers

- Fingerprint
- PIN code
- Contactless smart cards

Types of Cards - Mifare / Em-Marlin

Access Control - No

Tamper Detection Alarm - No

OS - Linux

Identification Speed - <1 sec

Fingerprint capacity/Cards in Memory - 1 500

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

FAR - < 0,0001%

FRR - < 0,01%

Interfaces - Ethernet 100 Mb/s, RS-232/485
(Input/Output)

POE - Yes

Power Supply - 5 V / 2 A

Display - 64x38 mm LCD Display

Indicators - Bi-color LED

Dimensions (LxHxW) - 190*140*57 mm

Operating Temperature Range - 0°C to 45°C

Design - Wall-mounted device