



## Fingerprint Access Control Device

### Bio-4

- 2.4" TFT display screen with a resolution of 240 × 320.
- Audio prompts.
- Supports 10,000 users, 10,000 cards, 10,000 passwords, 10,000 fingerprints, and 1,00,000 records.
- The security module expansion is supported to enhance security and protect against the device being opened during a power failure.
- Fingerprint/card/password unlock and unlock through their combinations.
- Supports duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, illegal password exceeding threshold alarm, external alarm and anti-passback alarm.
- Supports guest users, patrol users, blocklist users, VIP users, general users, and others.
- TCP/IP communication; auto registration, P2P registration
- Supports online update and USB update.



## Technical Specification

System	
Main Processor	Embedded Processor
Button Type	Mechanical
Network Protocol	DP; TCP; IPv4; P2P
OSDP Protocol	Yes
Interoperability	ONVIF; CGI
SDK and API	Yes
Capacity	
User Capacity	10,000
Fingerprint Capacity	10,000
Card Capacity	10,000
Password Capacity	10,000
Record Capacity	1,00,000
Basic	
Display Screen	2.4" LCD
Screen Type	LCD
Screen Resolution	240 (H) × 320 (V)
Voice Prompt	Yes
Backlight	Yes
Casing Material	PC+ABS
Function	
Verification Method	Fingerprint, Card & Password
Period List	128 periods
Holiday Period	128 periods
Network Update	Yes
First User Unlock	Yes
Peripheral Card Reader	1 × RS-485 card reader 1 × Wiegand card reader
Multi-user Authentication	Yes
Web Configuration	Yes
Auto Registration	Yes



Card Reading Distance	0cm–6cm
Fingerprint Sensor Type	Optical
Fingerprint Verification Mode	1:N
Fingerprint Comparison Time	1 s

## Port

RS-485	1
Wiegand	1
USB	1 × USB 2.0
Network Port	1 × RJ-45 100 Mbps self-adaptive Ethernet port
Alarm Input	2
Alarm Output	2
Alarm Linkage	Yes
Doorbell	1
Exit Button	1
Door Status Detection	1
Lock Control	1

## Alarm

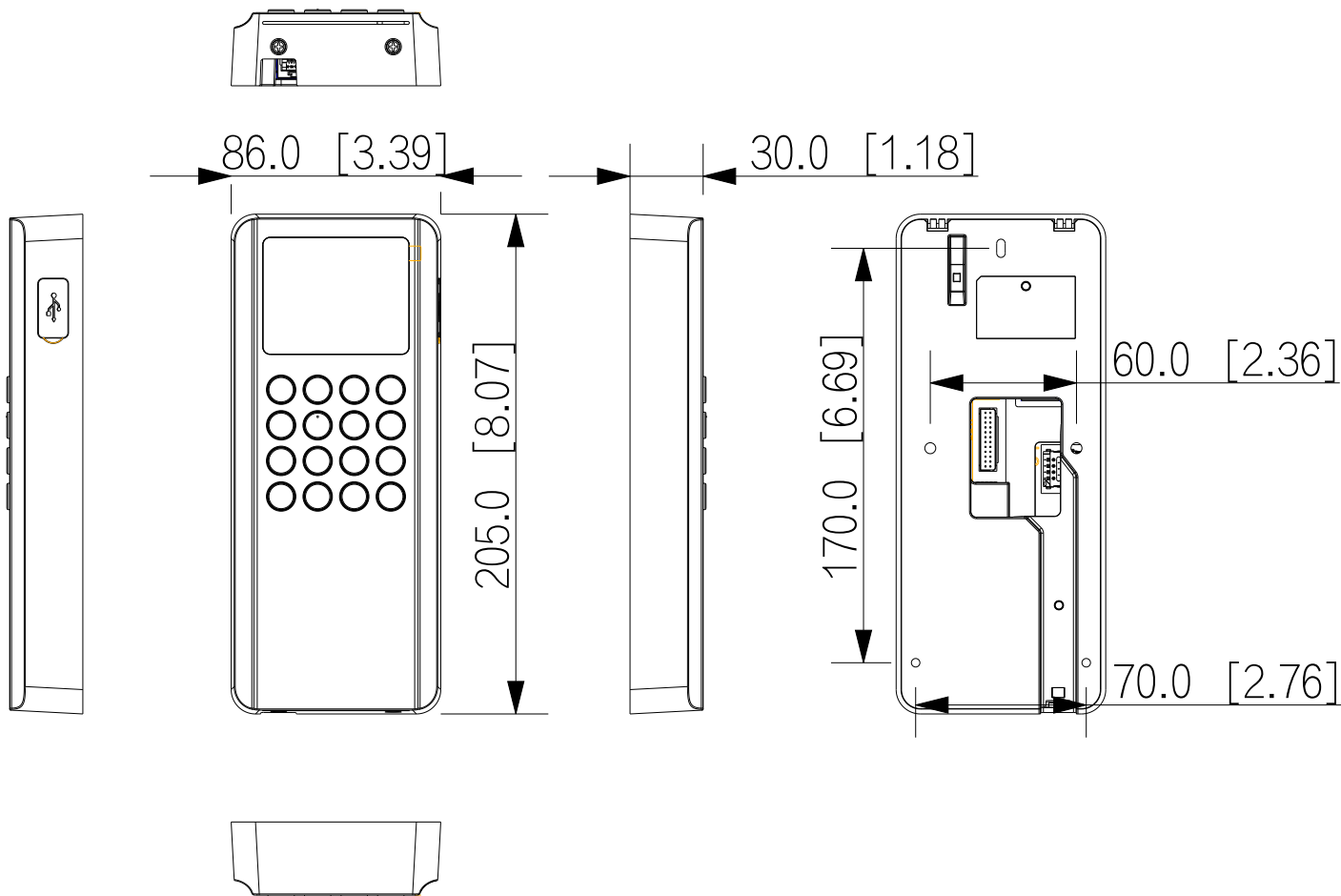
Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

## General

Power Adapter	Optional
Power Supply	12 VDC
Power Consumption	≤12 W
Product Dimensions	205mm × 86mm × 30mm (8.07" × 3.38" × 1.18") (H × W × W)
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	0%–95% (RH), non-condensing
Operating Environment	Indoor



## Dimension Drawing



**Head Office :** D-162, Okhla Industrial Area Phase I,  
New Delhi, 110020.



**Regional Office :** Mumbai, Bengaluru, Ahmedabad,  
Chennai, Kolkata.

**International Office :** Dubai

**Disclaimer :** All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.



**Phone :** +91-95999-53923



**Sales :** sales@timewatchindia.com



**Support :** helpdesk@timewatchindia.com

