

# SF1005

## Cloud Ready Access Control Terminal

### Secure & Seamless Access



Compatible with  
 ZKBio CVSecurity

Compatible with  
 easyTimePro

ZKBio Zlink

BioTime Cloud 2.0



ZKTeco's **SF1005** is a cloud ready fingerprint access control terminal with 2.4" TFT color display. What sets it apart is its multiple authentication methods, including fingerprint, card, and passwords via physical keypad.

Powered by ZKFingerprint V13.0 (V10.0 optional), it delivers fast and accurate fingerprint authentication in less than 0.5 second (FAR ≤ 0.0001% and FRR ≤ 0.01%). Its onboard capacity supports up to 3,000 users, cards, and fingerprint templates (1:N), plus 200,000 transaction and 6 to 8 digit passwords, which is ideal for small and medium enterprise growing needs.

**SF1005 Lite's** connectivity is straightforward, it supports TCP/IP networking and Wi-Fi connection. Its cloud ready with AC PUSH or TA PUSH, supports PoE (IEEE 802.3at), and features an IP65 enclosure for reliable outdoor use.

## Features

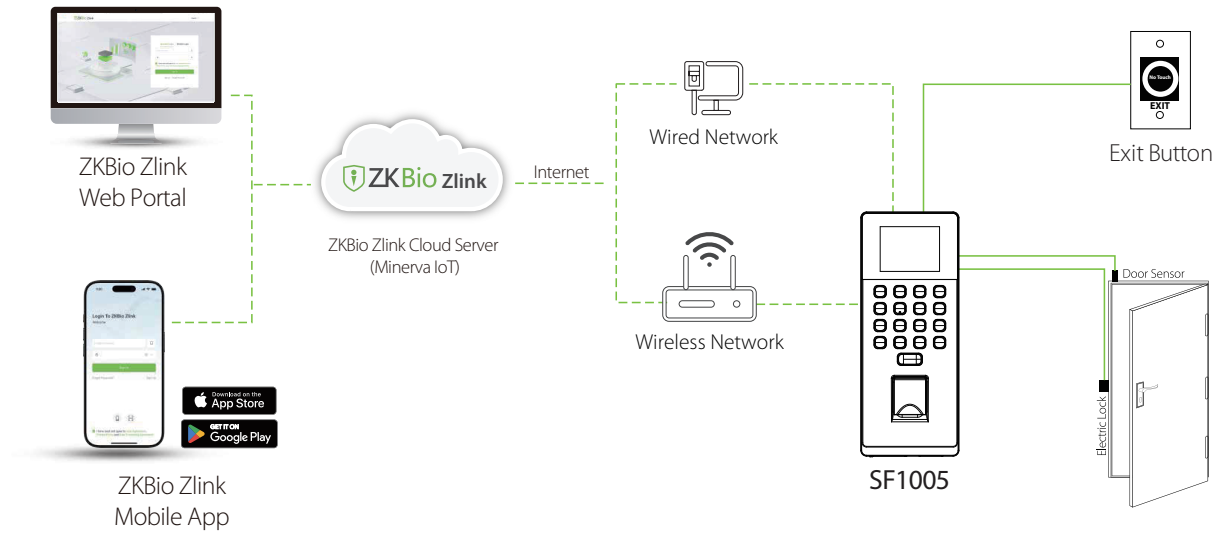
- Multiple Verification Methods: card / password / fingerprint (authentication speed less than 0.5 second).
- Features TCP/IP and dual Wi-Fi modes: AP (broadcasts hotspot for app/laptop configuration without network) and client (joins existing Wi-Fi). Easy configuration.
- It supports multi-tech cards: 125 kHz ID (standard), 13.56 MHz IC (optional). It also supports DESFire EV1 / EV2 dual-frequency modules (optional) which fits mixed credential environments without deployment hassle.
- Default BEST Protocol supports or PUSH protocol by manual conversion.
- Supports Doorbell and Wireless Doorbell (Optional).
- Attained IP65 protection rating with dustproof and waterproof.
- PoE (IEEE 802.3at) reduces cabling and eliminates separate power adapters, minimizing installation costs.

## Specifications

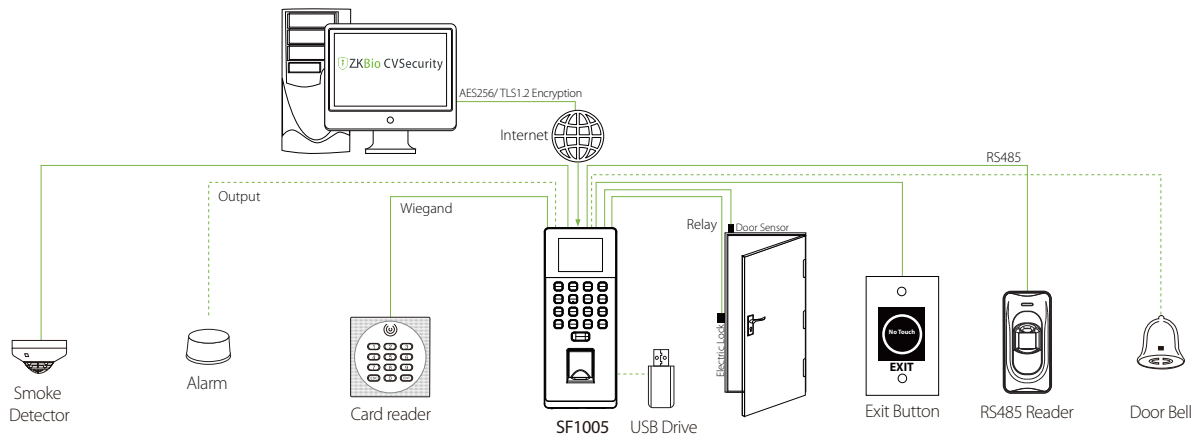
Model	SF1005
Display	2.4"@ TFT Color LCD Screen (240 * 320)
Operation System	Linux

<b>Hardware</b>	CPU: Dual Core@1.0GHz RAM: 128MB; ROM: 256MB Speaker: 8ohm±15% @1.0W Physical Keypad: 17 Keys Fingerprint Sensor: ZK Optical Sensor
<b>Authentication Method</b>	Fingerprint / Card / Password (Physical Keypad)
<b>Fingerprint Template Capacity</b>	3,000 (1: N)
<b>Card Capacity</b>	3,000 (1: N)
<b>User Capacity</b>	3,000 (1: N)
<b>Transaction Capacity</b>	200,000
<b>User Password Length</b>	6 - 8 digits
<b>Biometric Authentication Speed</b>	less than 0.5 sec (Fingerprint)
<b>False Acceptance Rate (FAR) %</b>	FAR ≤ 0.0001% ( Fingerprint; ZKFingerprint V10.0; ZKFingerprint V13.0)
<b>False Rejection Rate (FRR) %</b>	FRR ≤ 0.01% ( Fingerprint; ZKFingerprint V10.0; ZKFingerprint V13.0)
<b>Biometric Algorithm</b>	ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
<b>Card Type</b>	ID Card @ 125 kHz (Standard) IC Card @ 13.56 MHz (Optional) Optional Multi-Tech Module: Module1: ID & IC & DESFire EV1 / EV2; (125 kHz & 13.56 MHz Dual Frequency)
<b>Communication</b>	TCP/IP*1 Wi-Fi (IEEE802.11b/g/n/ax) @ 2.4 GHz Wiegand (Input or Output)*1 RS485: ZKTeeco RS485*1 USB: Type A (USB Drive Only)*1 Aux Inputs*1, Electric Lock *1, Door Sensor*1, Exit Button*1, Alarm*1, Doorbell*1, 12V Output*1
<b>Standard Functions</b>	Webserver, ADMS, DST, Up to 14-digit User ID, Access Levels, Groups, Holidays, Anti-Passback, Record Query, Schedule Bell, Tamper Switch Alarm, Automatic Status Switch (Effective only under T&A rules), Multiple Verification Methods, AC PUSH and TA PUSH Protocol Switch, HTTPS / SSH Backend Access, T9 Keyboard (Input), PoE, SRB, Doorbell
<b>Optional Functions</b>	Wireless Doorbell
<b>Access Control Interface</b>	RS485 (RS485 Card Reader / Biometric Reader)
<b>Power Supply</b>	DC 12V 1.5A PoE: IEEE 802.3at
<b>Operating Temperature</b>	-10°C to 55°C
<b>Operating Humidity</b>	10% to 90% RH (Non-condensing)
<b>Dimensions</b>	205.7mm * 82.7mm * 33mm (L * W * H)
<b>Gross Weight</b>	0.76 Kg
<b>Net Weight</b>	0.42 Kg
<b>Supported Software</b>	On-Premise Software: ZKBio CVSecurity / easy TimePro / Bio TimeCloud 2.0 Cloud-based Software: ZKBio Zlink by default (Supports Web Portal & Mobile App)
<b>Installation</b>	Wall-mount (Compatible with Asian Gang Box / Single Gang Box), compatible with Rots-3 Stand / Rots-02 Bracket
<b>Ingress Protection Rating</b>	IP65 (waterproof and dustproof)
<b>Certifications</b>	ISO14001, ISO9001, CE, FCC, RoHS
<b>Order ID</b>	AC01-F34H-16

## Configuration



## BEST Protocol



## PUSH Protocol

## Dimensions (mm)

