

SF1005

Cloud Ready Access Control Terminal

Secure & Seamless Access



Compatible with **ZKBio CVAccess** Compatible with **ZKBio Zlink**



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 (optional). Its cloud ready with AC PUSH or TA PUSH, supports PoE (IEEE 802.3at), and features an IP65 enclosure for reliable outdoor use.

Features

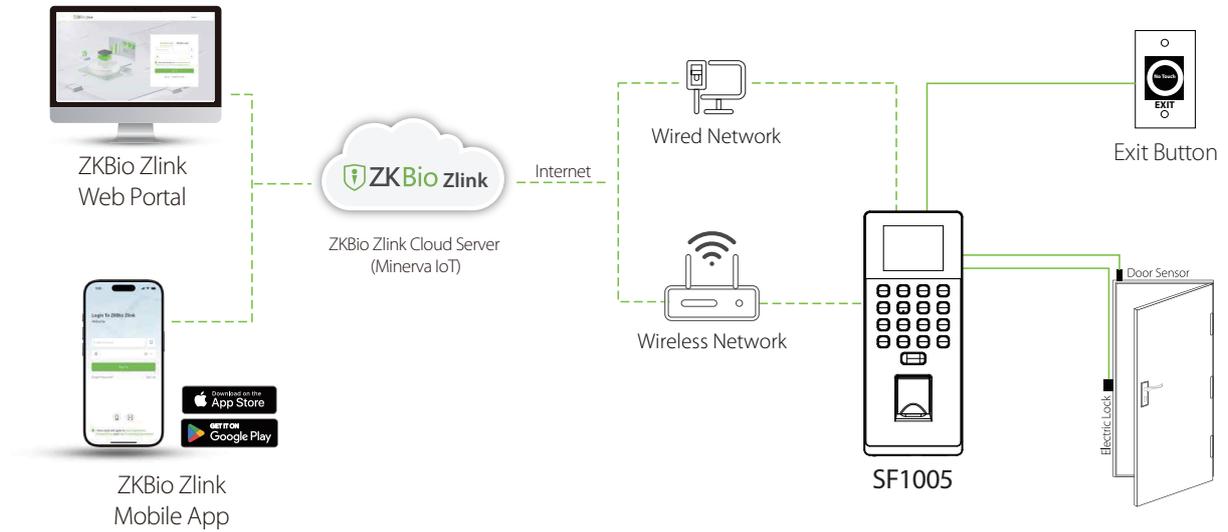
- Multiple Verification Methods: card / password / fingerprint (authentication speed less than 0.5 second).
- Features TCP/IP and dual Wi-Fi modes: AP (broadcasts hotspot for app/laptop configuration without network) and client (joins existing Wi-Fi). Easy configuration.
- It supports multi-tech cards: 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.
- Optional PoE (IEEE 802.3at) reduces cabling and eliminates separate power adapters, minimizing installation costs.

Specifications

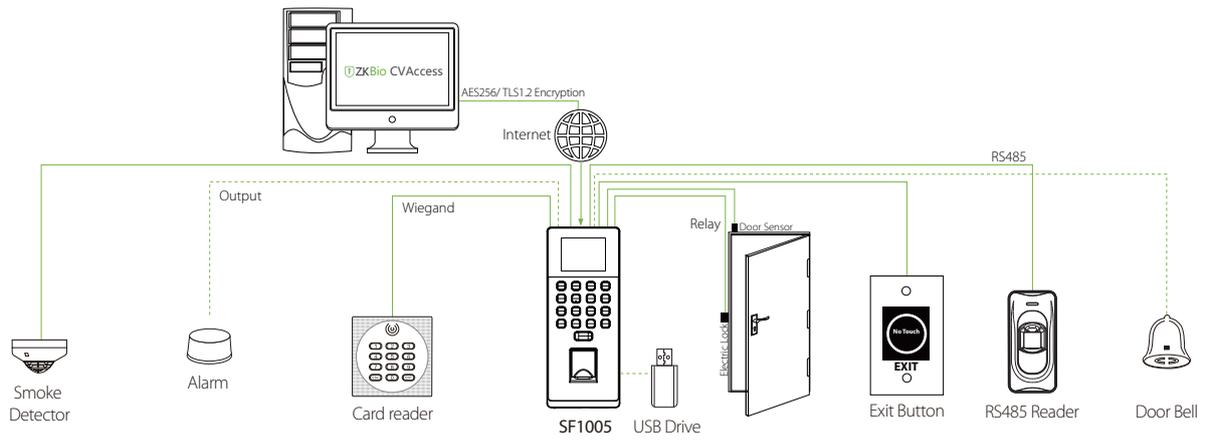
Model	SF1005
Display	2.4"@ TFT Color LCD Screen (240 * 320)
Operation System	Linux

Hardware	CPU: Dual Core@1.0GHz RAM: 128MB; ROM: 256MB Speaker: 8ohm±15% @1.0W Physical Keypad: 17 Keys Fingerprint Sensor: ZK Optical Sensor
Authentication Method	Fingerprint / Card / Password (Physical Keypad)
Fingerprint Template Capacity	3,000 (1: N)
Card Capacity	3,000 (1: N)
User Capacity	3,000 (1: N)
Transaction Capacity	200,000
User Password Length	6 - 8 digits
Biometric Authentication Speed	less than 0.5 sec (Fingerprint)
False Acceptance Rate (FAR) %	FAR ≤ 0.0001% (Fingerprint; ZKFingerprint V10.0; ZKFingerprint V13.0)
False Rejection Rate (FRR) %	FRR ≤ 0.01% (Fingerprint; ZKFingerprint V10.0; ZKFingerprint V13.0)
Biometric Algorithm	ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
Card Type	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)
Communication	TCP/IP*1 Wi-Fi (IEEE802.11b/g/n/ax) @ 2.4 GHz (Optional) 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
Standard Functions	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), SRB, Doorbell
Optional Functions	Wi-Fi (AP Mode), PoE, Wireless Doorbell
Access Control Interface	RS485 (RS485 Card Reader / Biometric Reader)
Power Supply	DC 12V 1.5A PoE: IEEE 802.3at (Optional)
Operating Temperature	-10°C to 55°C
Operating Humidity	10% to 90% RH (Non-condensing)
Dimensions	205.7mm * 82.7mm * 33mm (L * W * H)
Gross Weight	0.76 Kg
Net Weight	0.42 Kg
Supported Software	On-Premise Software: ZKBio CVAccess (AC PUSH) / ZKBio Time (TA PUSH) Cloud-based Software: ZKBio Zlink by default (Supports Web Portal & Mobile App)
Installation	Wall-mount (Compatible with Asian Gang Box / Single Gang Box), compatible with Rots-3 Stand / Rots-02 Bracket
Ingress Protection Rating	IP65 (waterproof and dustproof)
Certifications	ISO14001, ISO9001, CE, FCC, RoHS
Order ID	AC01-F34H-16

Configuration



BEST Protocol



PUSH Protocol

Dimensions (mm)

