

SenseFP M2

Fingerprint Time Attendance
& Access Control Terminal



Reliable fingerprint attendance. Simple, secure, affordable.

FINGERPRINT

CARD

PASSWORD

TCP/IP

WI-FI OPTIONAL

3,000 USERS

The SenseFP M2 is a compact fingerprint time attendance terminal built for small and medium-sized businesses that need a reliable, cost-effective way to manage workforce clock-in/out and basic access control. It combines fingerprint, RFID card, and keypad password verification with a 2.8-inch color display, TCP/IP and optional Wi-Fi connectivity, ADMS remote management, and an optional backup battery for uninterrupted operation during power outages.

KEY FEATURES

- Multi-Mode Verification — Fingerprint, RFID card, or 8-digit password via the 16-key physical keypad
- 3,000-User Capacity — 3,000 fingerprint / card templates with 150,000-record transaction storage
- Fast Matching — Sub-1-second fingerprint authentication with FAR $\leq 0.0001\%$ / FRR $\leq 0.1\%$
- 2.8" Color Display — 320x240 TFT screen for clear status, punch, and menu feedback
- Flexible Connectivity — TCP/IP wired networking plus optional Wi-Fi (802.11b/g/n/ax, 2.4GHz)
- Remote & Secure Management — ADMS cloud push, HTTPS/SSH backend access, and DST auto-adjustment
- Backup Power Ready — Optional 2,000mAh battery delivers up to 4 hours of runtime during outages

APPLICATIONS

Small & Medium Business Time Attendance
Office / Factory Clock-In & Clock-Out
Standalone Door Access Control
Multi-Branch Workforce Management
Construction Site & Warehouse Attendance
Retail Staff Attendance Tracking

Rear / Side View

TECHNICAL SPECIFICATIONS

Model	SenseFP M2
Display	2.8" TFT Color LCD Screen (320x240)
Camera	N/A
Operating System	Linux
Hardware	CPU: Dual Core @1GHz RAM: 512MB ROM: 8GB Speaker: 8Ω @1W Keypad: 16 physical keys Fingerprint Sensor: ZK Optical Sensor Casing: Black / White
Authentication Method	Fingerprint / Card / Password (Physical Keypad)
Fingerprint Capacity	3,000 (1:N) Standard
Face Capacity	N/A
Card Capacity	3,000 (1:N) Standard
User Capacity	3,000 (1:N) Standard
Transaction Capacity	150,000 (1:N)
Max. Password Length	8 Digits
Biometric Auth. Speed	< 1 sec (Fingerprint)
FAR / FRR	FAR $\leq 0.0001\%$ FRR $\leq 0.1\%$ (Fingerprint)
Biometric Algorithm	ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
Card Type	ID Card @125kHz (Standard) IC Card @13.56MHz (Optional)
Communication	TCP/IP x1 Wi-Fi 802.11b/g/n/ax @2.4GHz (Optional) USB Type-A (USB drive only) x1 Electric Lock x1, Door Sensor x1, Exit Button x1
Standard Functions	ADMS, DST, Photo Capture, Event Photo Capture, 14-digit User ID, Record Query, Schedule Bell, Tamper Alarm, Automatic Status Switch, Multi-Authentication, HTTPS/SSH Access, T9 Keyboard Input
Optional Functions	IC Card, Wi-Fi, Backup Battery
Power Supply	DC 12V 1.5A
Backup Battery (Optional)	2,000mAh Lithium Operating: 4h max Standby: 7h max Charging: ~5h
Operating Temperature	-5°C to 45°C
Operating Humidity	10%–90% RH (Non-condensing)
Dimensions (LxWxH)	154mm x 138mm x 34mm
Weight	Gross: 0.99kg Net: 0.40kg
Supported Software	App: ZKBio Zlink Cloud: ZKBio Zlink On-Premise: ZKBio Time
Installation	Wall-mount (Asian Gang Box / Single Gang Box compatible)

CERTIFICATIONS & COMPLIANCE

ISO 9001

ISO 14001

CE

FCC

RoHS