

SensePalm T1 & SensePalm T2

Time and Attendance Terminal

Multi-Modal Authentication with Cloud-Enabled Attendance Management



Palm Authentication



RFID



Fingerprint



Wi-Fi 6 Enabled



Backup Battery 2,000 mAh (Optional)



SensePalm T1

SensePalm T2

Compatible with
ZKBio Zlink



Introduction

SensePalm T1 & T2 is a time and attendance terminal which simplifies attendance solutions. It is aimed at small and medium-sized businesses (SMEs) that want to manage their workforce reliably and affordably.

SensePalm T1 & T2 offers flexible authentication options, such as palmvein authentication, fingerprint authentication, RFID authentication (optional) and password entry to suit different workplace preferences. SensePalm T1 & T2 supports Wi-Fi and compatible with ZKBio Zlink. This lets users manage employees and equipment, set attendance rules and check real-time attendance reports on their desktop or mobile device. Also, it has a 2,000mAh backup battery (optional) which provides a maximum of 2 hours of continuous operational power.

Features

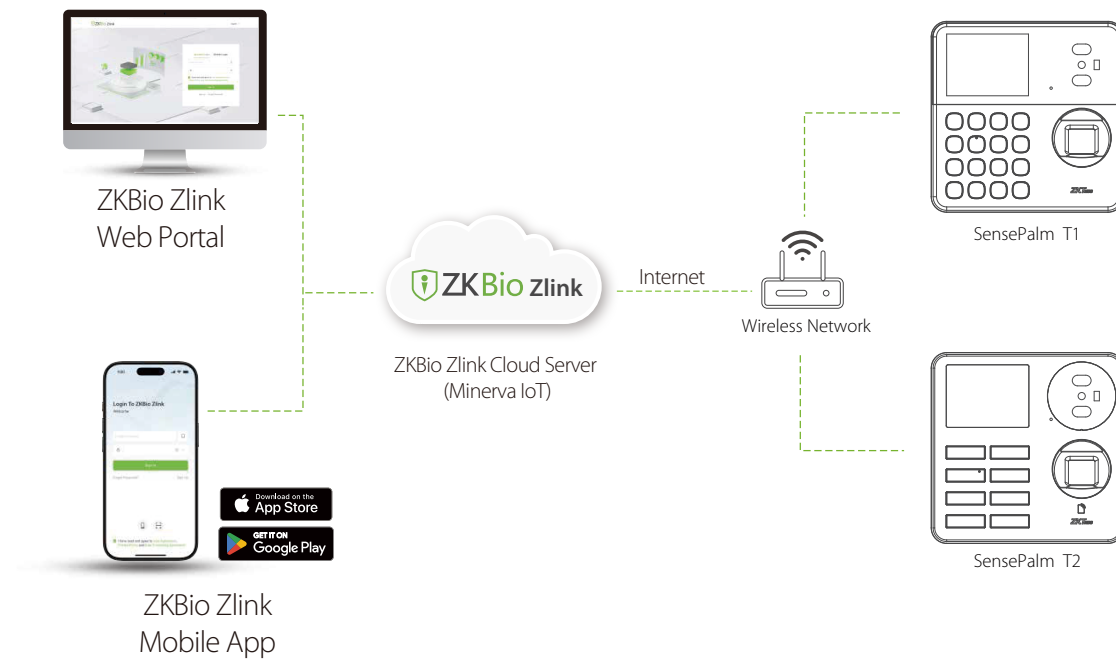
- Near-Infrared PalmVein Authentication Technology and ZK Optical Fingerprint Authentication.
- Multiple Authentication Methods: Palm / Fingerprint / RFID card (Optional) / Password.
- Supports up to 3,000 user capacity with 1,500 Palm templates, 1,500 fingerprint templates and 3,000 RFID card capacity.
- Available RFID Modules (Optional): 125 kHz ID Card / 13.56 MHz IC Card.
- Communication: Wi-Fi (IEEE 802.11 b/g/n/ax; Wi-Fi 6 enabled) / USB Type-A *1 (USB drive only).
- Backup rechargeable battery (optional): offers 2 hours of power on a full charge, and it takes 5 hours to recharge.
- Compatible with ZKBio Zlink for remote device management, real-time attendance monitoring, and customizable rules via mobile app or web portal.

Specifications

Model	SensePalm T1	SensePalm T2
Display	2.4" TFT Color LCD Screen (320*240)	
Camera	Monocular Palm Authntication Camera @ 1MP	
Operation System	Linux	
Hardware	CPU: Dual-Core @ 1GHz RAM: 512MB ROM: 512MB Speaker: 8ohm @1W Supplement Light: Near-Infrared Light*4 Physical Keypad: 16 Keys Color: Black Fingerprint Sensor: ZK Optical Sensor	CPU: Dual-Core @ 1GHz RAM: 512MB ROM: 512MB Speaker: 8ohm @1W Supplement Light: Near-Infrared Light*4 Physical Keypad: 8 Keys Color: Blue Fingerprint Sensor: ZK Optical Sensor
Authentication Method	Palm / Fingerprint / Card (Optional) / Password (Physical Keypad)	
Palm Template Capacity	1,500 (1:N) (Standard)	
Fingerprint Template Capacity	1,500 (1:N) (Standard)	
Card Capacity	3,000 (1:N) (Standard)	
User Capacity	3,000 (1:N) (Standard)	
Transaction Capacity	150,000	
Max. User Password Length	8 digits	
Biometric Authentication Speed	Less than 0.5 sec (Fingerprint), less than 0.35 sec (Palm Authentication)	
Touchless Biometric Authentication Distance	8cm to 15cm (Palm)	
False Acceptance Rate (FAR) %	FAR=0.001% (Palm), FAR ≤ 0.0001% (Fingerprint)	
False Rejection Rate (FRR) %	FRR=0.17% (Palm), FRR≤0.01% (Fingerprint)	
Biometric Algorithm	ZKPalmVein V21.3, ZKFingerprint V13.0 (Standard) / V10.0 (Optional)	
Card Type	ID Card: 125 kHz (Optional), IC Card: 13.56 MHz (Optional)	
Communication	Wi-Fi (IEEE 802.11b/g/n/ax) @ 2.4GHz; Wi-Fi 6 Enabled USB: Type A 2.0 *1 (USB Drive Only)	
Standard Functions	ADMS, DST, Workcode, Up to 14-digit User ID, Record Query, Schedule Bell, Automatic Status Switch / Self-Service Report (Effective only under T&A rules), Multiple Authentication Methods, HTTPS for cloud/Web access; SSH for backend maintenance; T9 Keyboard (Input), Online Firmware Upgrade	
Optional Functions	ID Card, IC Card, Backup Battery	
Power Supply	DC 5V 2A	
Operating Temperature	-5°C to 45°C	
Operating Humidity	20% to 80% RH (Non-condensing)	
Backup Battery (Optional)	2,000mAh (Lithium Battery) Operating Hours: 2 Hours Max.Standby Hours: 3.5 Hours Estimated Charging Time: 5 Hours	
Dimensions	117.5 mm*116.6 mm*31.0 mm (L*W*H)	
Gross Weight	0.45 Kg	
Net Weight	0.24 Kg	
Supported Software	Cloud-based Software: ZKBio Zlink by default (Supports Web Portal & Mobile App) On-Premise Software: ZKBio Time (TA PUSH)	
Installation	Wall mount (Compatible with Asian Gang-Box/ Single Gang-Box) Desk mount (Compatible with Rots-4 desktop stand)	
Certifications	ISO 9001, ISO14001, CE, FCC, Equivalent to RoHS	
Order ID	TA01-PV01H-21	TA01-PV010H-21

* Notes: The Near-Infrared PalmVein algorithm is not compatible with others.

Configuration



Dimensions (mm)

