

TD-H1-B Smart Residential Lock



Palm Vein
Recognition



Facial
Recognition



Fingerprint



Password



IC card



Mechanical
Key



Tuya
Smart App



Emergency
Power Port



HD Camera



Screen
Display



Semiconductor
Fingerprint
Sensor



Aluminum
Alloy Material



CNC
Engraving



Alarm



Product Features

- Unlock Methods: Fingerprint, IC card, Password, Face, Palm vein, Mechanicalkey, Combination verification, Tuya App, Temporary Password.
- Material: Built with durable materials, this lock features an aluminum alloy body with a baking paint finish and IMD coating, providing both longevity and wear resistance.
- HD Camera: Integrated high-definition camera enhances security with facial recognition capabilities.
- Screen Display: Equipped with a 4.5" IPS screen, providing an intuitive user interface and clear visual feedback.
- Capacity: Stores up to 300 sets of face, card, fingerprint, and password data, accommodating extensive user profiles.
- Security Features: Includes a 20-digit anti-peep password function for enhanced privacy and security.
- Fingerprint Sensor: Uses a semiconductor fingerprint sensor for fast and accurate recognition, with a response time of under 1 second.
- App Integration: Seamlessly connects to the Tuya Smart App for remote control and unlocking.
- Palm Vein Recognition: Utilizes advanced palm vein sensors for highly secure identity verification, offering the convenience of unlocking with a simple hand wave.

Product Specifications

Unlock Method	Fingerprint, IC card, Password, Face, Palm vein, Mechanicalkey, Combination verification, Tuya App, Temporary Password
Lock Dimension	421×82×68mm
Weight	4.2kg
Color	Gold
Material	Aluminum alloy and tempered glass
Appearance	Baking paint surface, IMD coating
HD Camera	2 million pixels
Screen Display	Front: 0.96" OLED screen, Back: 4.5" IPS screen
Lock Mortise Size	6068/6072/6085
Palm Vein & Face & Fingerprint & PIN & Card Capacity	Total 300 sets
Password Length	4~12 digits
Anti-Peeping Password Length	20 digits
Fingerprint Sensor	Semiconductor
Fingerprint Contrast time	≤1s
Fingerprint Identification Angle	360°

False Rejection Rate	$\leq 1\%$
False Acceptance Rate	$\leq 0.001\%$
Battery	4200mAh lithium battery
Operating Voltage	7.0V~8.4V
Emergency Power	USB port, 5V
Static Current	$\leq 80\mu\text{A}$
Dynamic Current	$\leq 300\text{mA}$
Working Temperature	-25°C~75°C
Working Relative Humidity	10%~93%
Voice Assistant	Support
Keypad	Standard 12-bit touch keypad
Low Voltage Alarm	7.2V
Unlock Time	$\leq 1\text{s}$
System Restart	USB port
Double-Locking	Support
Tuya Smart App	2.4G WiFi connection
Advanced Functions	Snapshot, intercom, trial-and-error alarm, anti-tamper alarm, one-key on/off

Product Size



Product Components

