

## Product Overview

T08 VFD smart lock is a super cost-effective mechanical fully automatic smart lock, providing 8 unlocking methods: face, palm vein, fingerprint, password, card, key, double verification, temporary password unlocking; supports local cat-eye monitoring, and is equipped with high-strength die-cast aluminum alloy. It allows you to have a safer, smarter and more comfortable home experience.



Black

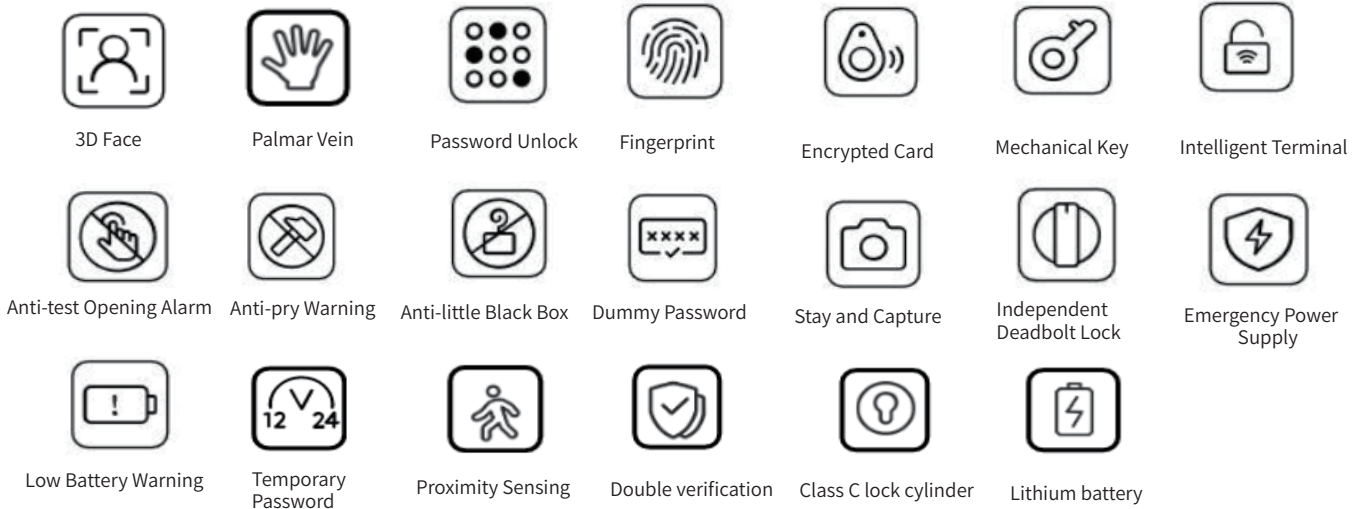
## Ordering information

Product Name	Model	Product Description	Order ID No.
T08 VFD Smart Lock black	MSL-AD-T08-W07817-BEN	WiFi; ML+aluminum alloy; powder coating process; power supply: 4200mAh lithium battery; size: 428*83*66mm; support extension video intercom; palm vein/face/fingerprint/password/card/key/double verification/temporary password/remote unlocking; left/right door opening; standard anti-card mechanical lock body	38045

## Key Highlights

- Adopt semiconductor fingerprint liveness recognition solution to improve the rejection rate and reduce the false recognition rate;
- Super C-level anti-theft lock core, the security level exceeds the national standard;
- Support virtual password unlocking, up to 20 digits can be entered;
- Multiple unlocking methods, more convenient: with face, palm vein, fingerprint, password, card, key, double verification, temporary password unlocking 8 unlocking methods;
- Supports fingerprint, password, encrypted card, key, and rear panel, five-in-one unlocking methods;
- Personalized home linkage: support linkage with Leelen smart home;
- Doorbell /Outdoor station video intercom
- Alarm function: anti-pry alarm, anti-test opening alarm, low battery alarm, etc.;
- App remote intelligent control: support door lock management, power display, remote unlocking, doorbell/door opening/alarm information push, etc.;
- IML panel process;

## Product Features



## Product Specifications

### 1.Specifications

Project	Description
Product Size (length × width × thickness)	428×83×64.5(Front panel) (mm) 413×79×72.3(Rear panel) (mm)
Color	Black
Shell Material	Aluminum Alloy + IML Panel
Surface Technology	Surface powder spraying
Adapt to Lock Body	6068 standard lock body/overlord lock body
Door Lock Cylinder	C-level fully automatic lock cylinder
Input Power	4200 mAh lithium battery (7.4V)
Emergency Power Outlet	Type-C (5V)
Average Operating Power Consumption	<100mA
Standby Power Consumption	<150μA
Operating Temperature	-25°C ~ +70°C
Storage Temperature	-40°C ~ +70°C
Working Humidity	0~95%RH, no condensation
Flammability Rating	GA 374-2019 standard
Protection Level	IP52
Applicable Door Thickness	55mm~100mm
Applicable Door Types	Wooden door, iron door, security door, copper door, steel door
Door Opening Direction	Supports left inner/outer door opening, right inner/outer door opening
Product Net Weight (g)	2960g
Product Gross Weight (g)	5200g

## 2. Hardware and interface

Project	Description
Camera	Supported (front panel)
Resolution	720 P , 1000,000 pixels
Viewing Angle	Vertical angle 100°, horizontal angle 57°, diagonal angle 126°
Fingerprint reader	Semiconductor
Number Key	3×4 numeric keypad
Doorbell Key	#Key reuse
Mute Key	Supported
Reset Button	Supported (rear panel)
Audio output	Rear speaker
Body Breathing Light	Supported(white, green, red)
Fingerprint Breathing Light	Supported(blue, green, red)
Battery Indicator	Not Supported
Button Indicator Light	Supported

## 3. Communication Parameters

Project	Description
Door Lock Type	Network -connected
WiFi	Supported
Bluetooth	Not Supported
Zigbee	Not Supported
NB-IoT	Not Supported

## 4. Fingerprint Parameters

Project	Description
Capacity	Management fingerprint: 1; ordinary fingerprint : 99;
Fingerprint False Recognition Rate (FAR)	≤0.001%
Fingerprint rejection rate (FRR)	≤5%
Fingerprint recognition speed	≤ 1 seconds/piece
Contrast Method	1:N
Fingerprint recognition angle	360°
Number of Press	20 0000 times



## 5. Palmar vein Parameters

Project	Description
Capacity	Ordinary fingerprint : 100;
Recognition Rate	≤0.00001%
Rejection rate (FRR)	≤1%
Recognition speed	≤ 1.5 seconds/piece
Recognition angle	≥45°
Identification distance	Identification distance 0.1-0.3m, optimal 0.15-0.25m

## 6. Functional Parameters

Project	Description
Unlocking method	Face, palm vein, fingerprint, password, card, mechanical key, double verification, temporary password unlocking
Card Type	Standard M1 encryption card, sensing distance 5mm
Dummy Password	Supported, up to 20 characters
Number of Password Digits	6 digits
Password Capacity	Management password: 1; ordinary password: 99;
Card capacity	100 sheets
Voice prompts	Supported
Hibernate	Supported, automatically enters sleep after 10s timeout without operation.
Encrypted Card	Supported (anti-copy)
Dwell alarm	Supported
Anti-Tesla	Supported (anti-black box destruction and unlocking)
Anti-pry alarm	Supported, you can choose to turn on/off the anti-pry function
Trial and Error Alarm	Supported, a total of 5 trial and error attempts for fingerprint, password, and card (5~9 times can be set, 5 times by default), the system will ring an alarm and lock for 90s
Low Voltage Alarm	Supported. When the battery level is 5%, it indicates low battery. After alarming, it can be turned on normally 100 times.

## Typical Application

