

i-max

Wireless Online & Openow

TESA

ASSA ABLOY

Experience a safer
and more open world

A renewed electronic lock with higher robustness. Including a new design of the reader with a sophisticated warning LED. *i-max* keeps all security components on the internal side of the door. It is suitable for all type of doors equipped with traditional mortise locks and it offers special solutions for glass doors and emergency exit doors. Easy installation without any wiring. Making it the perfect solution for hotels, touristic apartments and many other facilities. Avoiding mechanical keys and getting full access control functionality.



Technical data - i-max

	Door profiles	Suitable for wooden, narrow, glass and sliding doors
	Traffic volume	Medium to high
	Exterior usage	IP56 (Extreme version) Up to 85% humidity -20°C to + 70°C
	Hardware compatibility and installation	High retrofit (compatible with most common mortise locks) Drilling, no cabling Doors from 30mm up to 120mm (thicker doors may be possible on demand)
	Power supply	Battery (from 75.000 to 105.000 cycles)* max. 2 years standby** Type of batteries: 3 LR03 AAA 1.5V alkaline batteries
	Multi-authentication	Yes (Card + PIN, PIN only, Card only)
	Status information	Internal handle usage alert Internal thumb-turn use recorded (only in models with electronic privacy) Door position alert: connection for door sensor included (NO normally open). Door sensor not included Mechanical opening recorded (in combination with a special mortise lock)
	Certifications	CE (EMC, R&TTE), ROHS, REACH, WEE, EN1634 (Fire) EN1906 Category of use Grade 4***
	RFID technologies	HID iCLASS® MIFARE Classic and Ultralight SKIDATA DESFire ISO 15693
	Compatible mobile solutions	 Openow™ (Bluetooth Low Energy)  TESA (Remote opening app)
	System management upgradability	Locks can be upgradeable from Standalone > Read/Write > Wireless Online

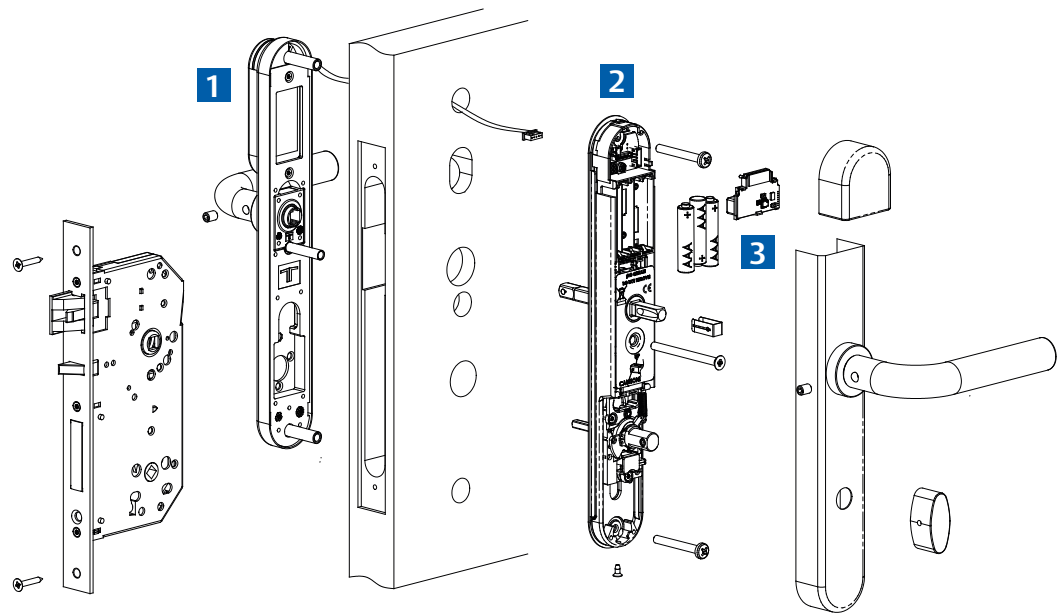
* Depending on reading technology (MIFARE, iCLASS etc.).

** Depending on cycles per day.

*** On request.

Electronic Technical Characteristics

i-max has the reader module on the external lock and the control and battery module on the internal lock. It also includes by default the necessary RF module for wireless and the necessary BLE module for Openow mobile solution.



1 Reader Module

- 13,56MHz RFID Technology: MIFARE Classic (or Ultralight), iCLASS, DESFire, ISO 15693 or SKIDATA.
- Reading distance. 2-4cm.
- Warning LED. Blue or red lights for different actions: granted access, access denied, low battery level, etc.
- Connection to the programming device. Necessary to initialize the lock and to make emergency openings.

2 Control unit and battery module

- Non-volatile memory.
- Up to 3.000 users and 1.200 events.
- Real time clock and calendar. Up to 30 time zones with five different periods during the day. 365 days calendar to define holidays. DST's automatically updated through the calendar.
- Battery module. Maintains clock and calendar for 5 minutes without batteries.

Operation modes

State tables in the software to define automatic changes in the doors of the following operation modes:

- Standard: The credential is needed to open the door.
- Passage mode: The door is open. This operation mode can be established automatically or manually by authorized users cards.
- First user: The door is in standard mode until the first user with authorized access opens the door. After that operation, the door will remain in passage mode.
- Double user: Two users with authorized access must approach their credentials to open the door.
- In models with keypad also: Keypad only: Check-In by PIN solution: allows guests to open their room with a personal PIN code. Perfect solution for unattended receptions.

- Card + PIN: the users must approach the card and after enter a personal PIN into the keypad.

Special features

- Standard or ADA users. Standard opening time from one to 240 seconds. ADA users will have double time.
- Internal handle detection to detect if a user is leaving the room.
- Electronic privacy with internal thumb turn (to deny access to open the door when a user is inside. Optional: privacy overrides passage).
- Mechanical key override detection (2UB0CE mortise lock).

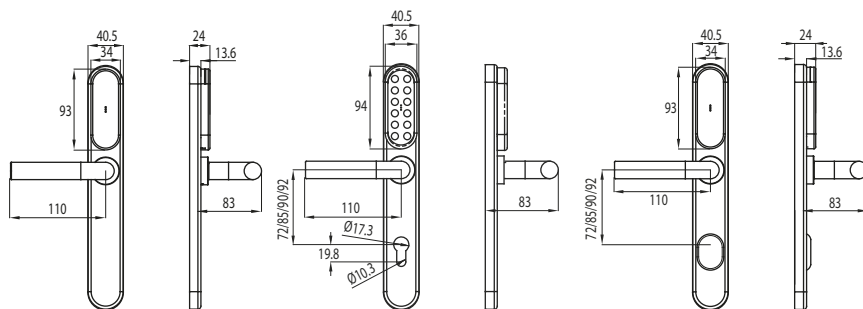
3 Mobile solutions (Openow/Remote TESA App)

The electronic locks always include the RF module valid for wireless communication and mobile solutions.

- For Openow solution it is necessary to activate the Openow functionality in the software license.

4 Wireless online locks. Communications and control in real time with TESA Hotel software through TESA wireless hubs

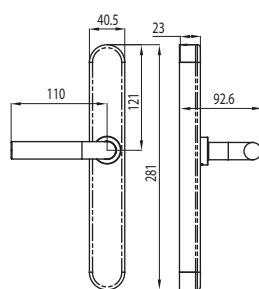
- Events received in real time in the software (opening, attempt to opening, out of shift, low batteries, internal handle, privacy on, etc.). Event alarms sent by email and pop-up alarms in software.
- Change or cancelling of user accesses (guests and Staff cards): online update.
- Global Lockdown solution: opening or blocking certain areas / entire facility at once.
- Notifications of door (software or email) status in real time by a magnetic door sensor connected to the lock.
- Remote lock opening, block, free passage mode or date/time update from the software.
- Online battery monitoring.



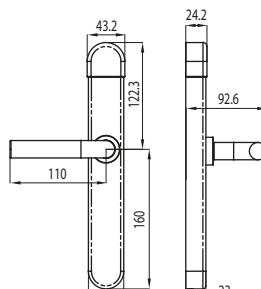
Ext. Lock (LS1/L5S)

Ext. Lock (with keypad)
(L2V/L3V/L8V/L9V)

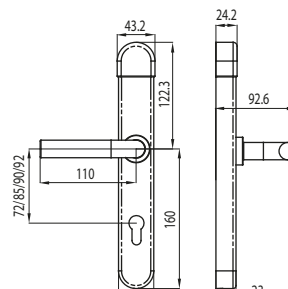
Ext. Lock
(L2O/L3O/L8O/L9O)



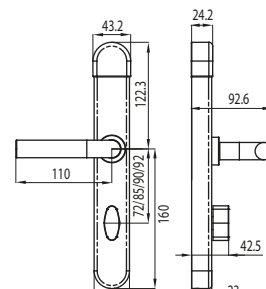
Int. Lock without Wireless
Openow (L1S)



Int. Lock with Wireless
Openow (L1S/L2)



Int. Lock with mech. cylinder
and Wireless Openow (L3V/O)



Int. Lock with privacy and Wireless
Openow (L5S/L8/L2 CIT/L9)

Mechanical Technical Characteristics

External lock

- Not handed.
- Freewheeling handle when the door is close.
- Turns 60° up and down (valid for lift & lock mortise locks).

Internal lock

- Panic function. The internal handle always opens the door.
- The electromechanical clutch works with a special split spindle.
- The spindle has different lengths according the door width.
- From 30mm to 110mm door width.

Mortise lock (TESA 2UB default mortise lock)

- Compatible with Euro, ANSI, DIN, tubular, multipoint, aluminium, narrow profile mortise locks and emergency exit doors.
- Pass through follower is required.
- Distance between axes from 70mm to 105mm.
- 7mm, 8mm or 9mm spindle.

i-max Models

Without electronic privacy

- 7mm, 8mm or 9mm spindle.
- Distance between axes from 70mm to 105mm.
- L1S Model. Without mechanical key override (blind).
- L2V/L2O Model. With half mechanical key override (visible/hidden).
- L3V/L3O Model. With double mechanical key override (visible/hidden).
- L9 Model. With half mechanical external cylinder and internal thumbturn.

With electronic and mechanic privacy

This model requires a special mortise lock and cylinder from TESA.

- 8mm spindle.
- 85mm distance between axes.
- L5S Model. Without mechanical key override.
- L8V Model. With visible mechanical key override.
- L8O Model. With hidden mechanical key override.

Handles and finishes



Vector



Xara



Sena



Zafira



Cubo



FSBE



Stainless Steel



Satin Chrome



Polished Brass

Reader



Black



White



Polished Chrome



Satin Brass



Antique Brass



White



Black



Marengo

More models available. Please consult.



Antibacterial coating

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ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

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