



**BIODIT**  
GLOBAL IDENTITY SOLUTIONS



# Olock

**A new generation of hotel lock,**  
designed to provide very high  
efficiency, reliability and  
convenience

# Olock

## FEATURES

- Wireless hotel locking device
- Identification by fingerprint or RFID card
- Optional high security opening by master key
- Acces mode by time band
- Safety in the wireless communication on all kind of devices, with safety verifications per cyclical redundancy codes and safety algorithms
- Bidirectional wireless communication between the control software and the Olock device
- Simple installation without cabling, for new and already exiting constructions
- Plug & play control module for very fast replacement and maintenance
- Compatible with all door standart thickness
- ADA compliant (users with physical disabilities)
- Zinc alloy casting
- Anti-panic function, the lock can always be opened from inside by using a suitable embedded lock
- Restraint fingerprint function
- Attractive desing
- Sound warning by buzzer on access
- Visual warning with red and green leds on access



# Olock

## TECHNICAL DATA

### Biometric sensor

- Sensor: Capacitive sensor
- Scan Area: 10.5 x 11.2 mm
- Resolution: 500 DPI
- Authentication time: less than 1 second
- Identification time (1:2000 people): 0.9 seconds
- Fingerprint templates: up to 2 000 per device
- FAR: <0.001%
- FRR: <0.1%

### RFID feature

- MIFARE 13.56MHz reader
- Supported RFID standards: ISO14443A and NTAG

### Network and communication

- Wireless WI-FI 2.4GHz
- Possible ONLINE and OFFLINE operation

### Material

- Handles and body: zinc alloy casting
- RFID cover: Polycarbonate

### Metal finishes

- Star Silver
- Black

### Emergency opening options

- Mechanical key

### User interface

- Sound and light indication - 2 coloured LED light (green, red) and buzzer

### Locking mechanism

- Electronic module for locking a mechanical lock

### Door thickness

- 34 - 130 mm / 1.34 - 5.19 Inches

### Lock case

- ANSI lock case width: 62.5mm
- ANSI backset: minimum 40 mm

### Autonomy

- Necessary power supply: battery powered, 6 Ah rechargeable @ 4.2V
- Battery location: Inside of the door in electronics module
- Number of openings: between 15 000 and 20 000

### Operating environment

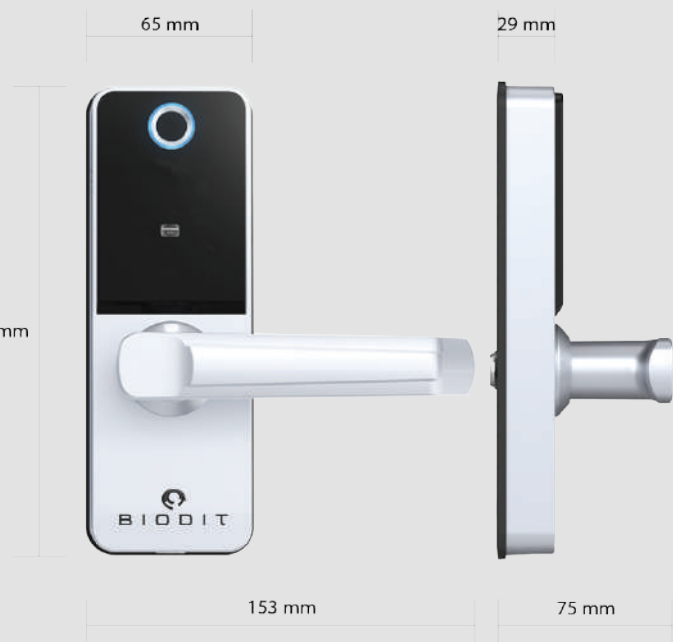
- Operating temperature: ~-20°C to ~60°C
- Storage Temperature: ~-20°C to ~80°C
- Working humidity: 20% to 80%
- Storage Humidity: <90%

### Security of communication

- Data communication: TLS 1.2 encryption
- WPA 2-AES Wi-Fi encryption
- WPA 2-TKIP Wi-Fi encryption

### Certifications

- CE
- FFC certification

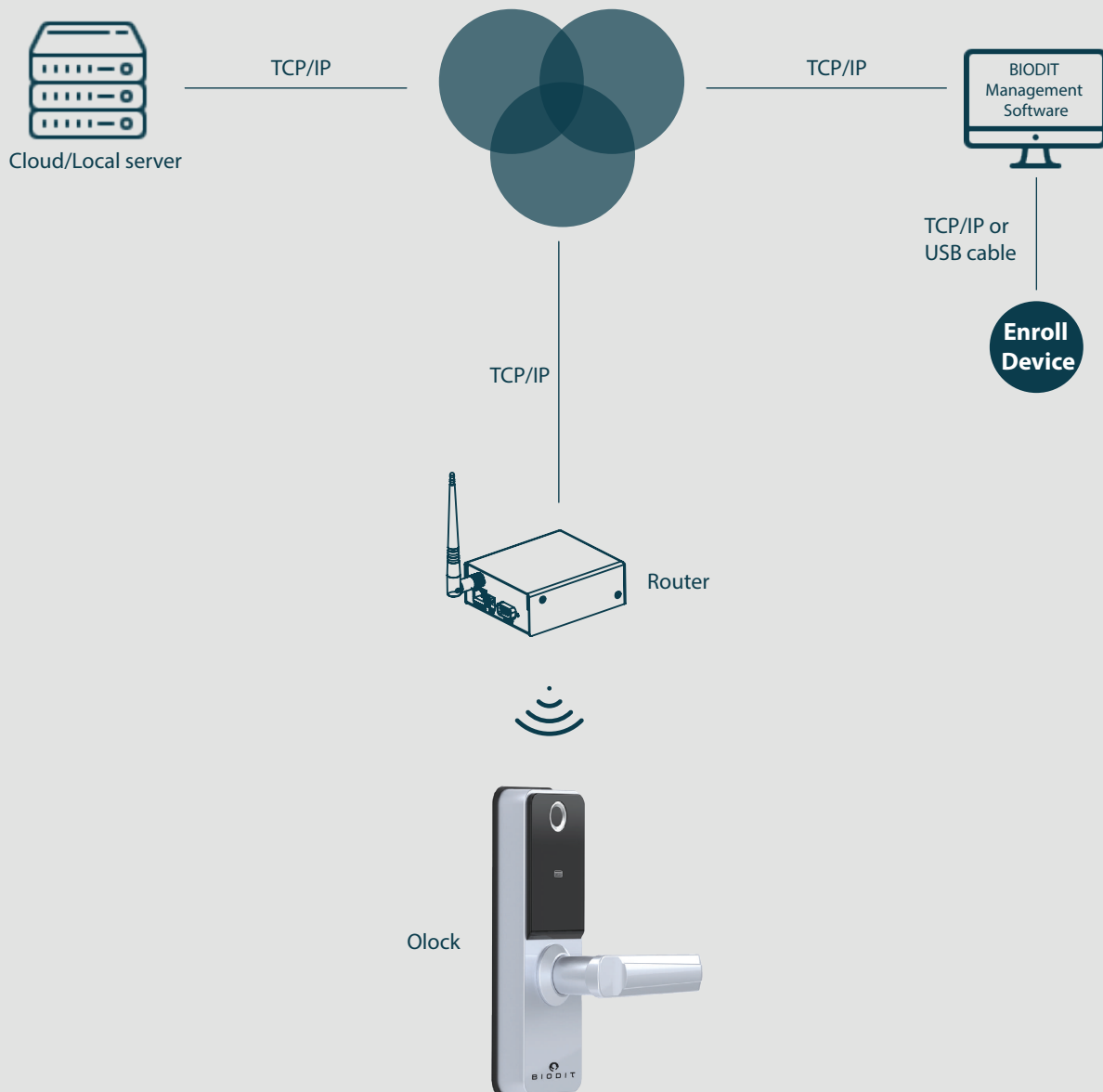


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## TOPOLOGY

### Security of communication

- Data communication: TLS 1.2 encryption
- Database communication: MD5 encryption



# Olock

## COMPARISON



### Olock

<b>Lockcase</b>	ANSI DA, ANSI DB
<b>Panic release</b>	Yes
<b>Mechanical override</b>	Optional
<b>Cylinder events in audit trail</b>	No
<b>Identification technology</b>	Biometric / RFID
<b>Anti-Cloning technology - RFID cards</b>	Yes
<b>System software</b>	BIODIT Management Software
<b>Power supply</b>	1 x 6 Ah rechargeable @ 4.2V
<b>Automatic unlock/lock</b>	Yes
<b>Passage mode</b>	Yes
<b>Audit trail</b>	Online: Unlimited (Local or Cloud server)
<b>Guest privacy function</b>	Yes
<b>Finishes</b>	2
<b>Device colors</b>	Star Silver / Black
<b>Handles</b>	L-shape
<b>Mobile Access compatible</b>	Yes (On request)