



SOLITY

# Future of Digital Door Lock



# Company Overview

**SOLITY** is a global smart door lock manufacturer with a strategic ODM/OEM partnership with a number of leading global companies.

We provide **SOLITY's** unique one-stop solution from product planning to development, manufacturing, shipment, and consulting to start a door lock business to suit the circumstances in any country. We invite you to start a successful smart lock business with SOLITY.

**SOLITY** leads the smart lock market in Korea, which is a smart lock powerhouse, and the global smart lock ODM/OEM markets through continuous design and quality innovation using big data of VOC, necessary for product development and improvement.

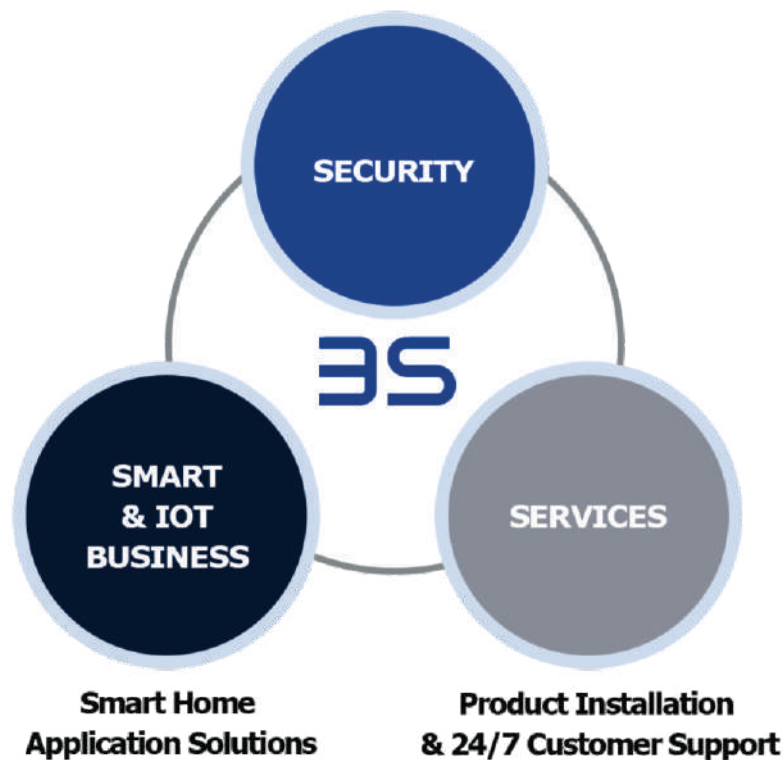


THE SMART OPENING SOLUTION LEADER

**SOLITY = “SOLID” X “SECURITY”**

Solity is a leading provider of innovative door opening solutions.

- Experience in Digital Door Lock *Since 1980*.
- *Largest Manufacturer* of Digital Door Lock in *Korea*.
- *No.1 Manufacturer* of Digital Door Lock in *Korea*.



**13.8 Lakh**

Digital Door Lock Sold

**50 Lakh**

Production Capacity

**+500**

Smart Door Lock Development

**+56**

Quality Lab Tests

**+100**

R&D Center Patents

## Smart Door Lock

### Various types of Smart locks

You can experience smart door locks with a wide range of features that embody SOLITY's patented technologies and development expertise.

#### Push/Pull Lock



A push/pull door lock is an innovative product that quickly opens and closes a door by pulling and pushing the handle intuitively without having to rotate it. SOLITY manufactured the first push/pull door lock in Korea through joint R&D with Samsung SDS and supplied the products to domestic and global partners.

#### Mortise Lock



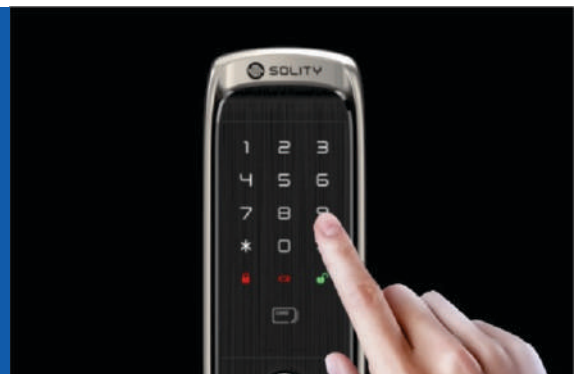
The integrated handle and authentication unit (card, fingerprint, and keypad) of the mortise lock ensures a refined design and stable installation. SOLITY has internally developed various mortise devices (open/close devices) specifically for each application and supplies them to specific markets.

#### Mini Mortise Lock



Mini mortise lock has shorter top length compared to the mortise locks and no additional hole is required for the top area like the mortise locks. As a result, it is convenient to install and additional drilling on the door won't be necessary, which will save the fuss and prevent damage on the door. It is designed considering the perfect balance and stability.

#### Rim Lock



The integrated handle and authentication unit (card, fingerprint, and keypad) of the mortise lock ensures a refined design and stable installation. SOLITY has internally developed various mortise devices (open/close devices) specifically for each application and supplies them to specific markets.



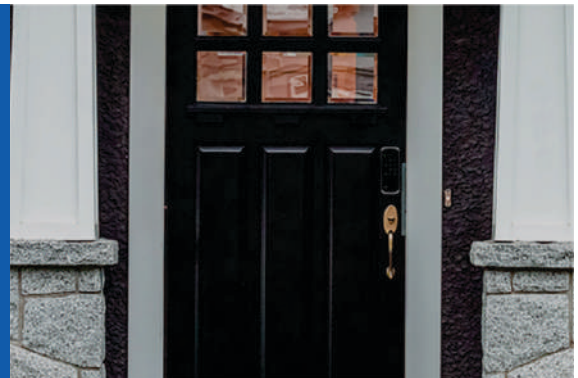
## Glass Lock



A glass lock is for glass doors in commercial and office facilities. SOLITY's glass lock products include patented technology that can rotate the keypad by 180° so that it can be installed easily regardless of the door orientation. The products include a clip type that is clipped easily to glass doors and the wing type that is firmly fixed to a glass door handle.

A sash lock features a vertical main body. The vertical main body can be installed on chassis doors and specially manufactured doors with patterns.

## Sash Lock



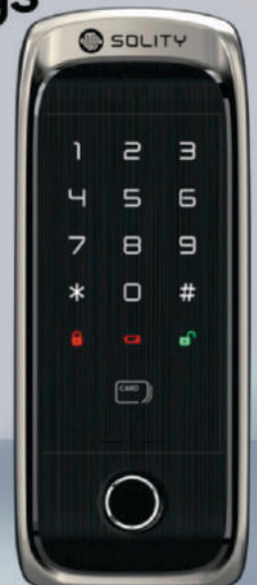
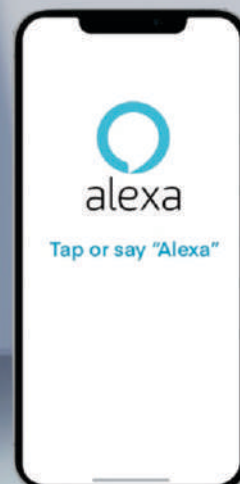
# For the **FIRST** time in **INDIA**

Unlock with Amazon Alexa  
and Samsung SmartThings



SmartThings

Alexa,  
unlock the door.



# Partners (OEM/ODM)

## ■ Domestic



## ■ Overseas





# IoT Models & Features

## IoT Lock Solution

### Smart Safety? Smart Solity

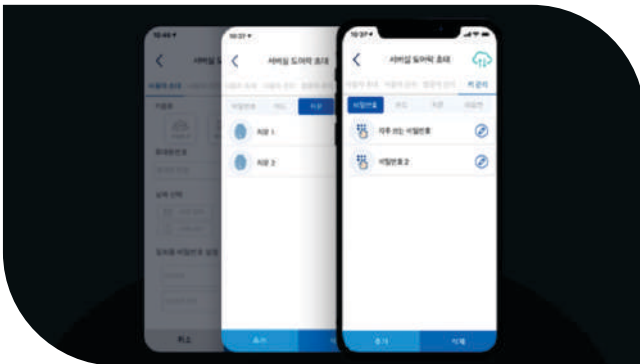
SOLITY provides IoT solutions needed for the door lock business. SOLITY's IoT locks support WiFi, Zigbee, and Bluetooth standard communication protocols and can interface with various apps to allow users to control the smart door lock remotely.



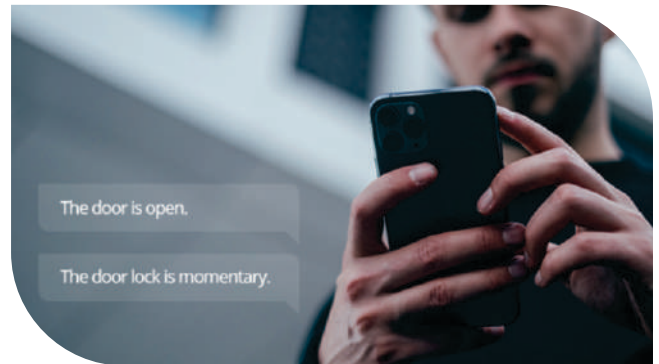
**SMART OPEN & TOUCH**



**SMART KEY SHARING**



**SMART KEY CONTROL**



**SMART ALARM & HISTORY**



**MANAGER MODE**



**STRICT SECURITY**



# Premium Push-Pull Smart Door Lock

## GSP-1000BK

### Convenient & Safe

#### Push-Pull Lock

A push/pull door lock is an innovative product that quickly opens and closes a door by pulling and pushing the handle intuitively without having to rotate it.

SOLITY manufactured the first push/pull door lock in Korea through joint R&D with Samsung SDS and supplied the products to domestic and global partners.

#### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	Up to 4 passwords can be registered (4~12 digits)
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	RFID	Up to 100 smart card can be registered
	Physical key	2pcs
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	Bridge	Remote Control



## FEATURES

#### SPECIAL POINT



Ultra Slim Design



IoT connectivity with your smartphone (Wi-Fi Bridge sold separately)



Convenient and fast fingerprint recognition.

#### Safety Function



Scramble Code (Fake Pin-code)

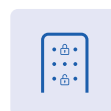


Alarm  
Damage / Intrusion / Prank



Automatic Locking

#### Convenience Function



Smart touchpad with LED notifications



Low Battery Alarm and Emergency Power Supply



Remote Control (Optional)





# Premium Push-Pull Smart Door Lock

## GSP-2000BK

### Convenient & Safe

#### Push-Pull Lock

A push/pull door lock is an innovative product that quickly opens and closes a door by pulling and pushing the handle intuitively without having to rotate it.

SOLITY manufactured the first push/pull door lock in Korea through joint R&D with Samsung SDS and supplied the products to domestic and global partners.

#### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	4-12 Digit
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	Smart Card	Up to 100 smart card can be registered
	Physical key	2PCS Provided
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	RFID	Remote Control



## FEATURES

#### SPECIAL POINT



Modern & Slim design with hairline technology



IoT connectivity with your smartphone (Wi-Fi Bridge sold separately)



Fire-proof product for B2B projects (optional)

#### Safety Function



Scramble Code (Fake Pin-code)

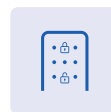


Alarm for Damage / Intrusion



Automatic Locking

#### Convenience Function



Invisible Keypad with Smart Touchpad



Low Battery Alarm and Emergency Power Supply



Remote Control (Optional)

# Premium Mortise Lock

## GM-6000BK

### Convenient & Safe

#### Mortise lock

Fingerprint located on the handle provide easy authentication and access, while saving time to open the door. Wide LED notification shows intuitive status of the lock.



#### SPECIFICATION

Installation	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	Up to 4 passwords can be registered (4~12 digits)
Authentication	Fingerprint	Up to 100 fingerprint can be registered
	RFID	Up to 100 smart card can be registered
	Physical key	2pcs
Normal Voltage	DC 6V	AA Alkaline Battery
Emergency Power	DC 9V	9V Alkaline Battery
Option	Bridge	Remote Control

#### FEATURES

##### SPECIAL POINT



Convenient fingerprint recognition



IoT connectivity with your smartphone (Wi-Fi Bridge sold separately)



Bold hairline design

##### Safety Function



Scramble Code  
(Fake Pin-code)

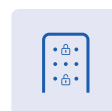


Alarm  
Damage / Intrusion / Prank



Automatic Locking

##### Convenience Function



Smart touchpad with  
LED notifications



Low Battery Alarm  
and Emergency Power  
Supply



Remote Control  
(Optional)



## Premium Mini Mortise Lock

# GM-600B

## Convenient & Safe

### Mini Mortise Lock

Mini mortise lock has shorter top length compared to the mortise locks and no additional hole is required for the top area like the mortise locks. As a result, it is convenient to install and additional drilling on the door won't be necessary, which will save the fuss and prevent damage on the door. It is designed considering the perfect balance and stability.



### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	Up to 4 passwords can be registered (4-12 Digit)
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	RFID	Up to 100 smart card can be registered
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	Bridge	Remote Control



## FEATURES

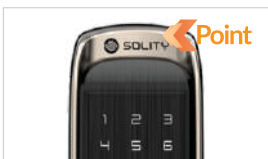
### SPECIAL POINT



Convenient fingerprint recognition



IoT connectivity with your smartphone (Wi-Fi Bridge sold separately)



Bold hairline design

### Safety Function



Scramble Code (Fake Pin-code)

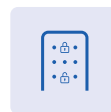


Alarm for Damage / Intrusion / Prank



Automatic Locking

### Convenience Function



Smart touchpad with LED notifications



Low Battery Alarm and Emergency Power Supply



Remote Control (Optional)



## Premium Vertical Rim Lock for Sliding or SASH Door

# GA-60B

## Convenient & Safe

### Rim Lock

A rim lock is a product that has a separated handle and authentication unit(card, fingerprint and keypad). It can be easily installed in various environments.

Solity has a wide line-up of rim lock products including touch and cover types, on the door. It is designed considering the perfect balance and stability.

### Optional: Hook type



### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	4-12 Digi
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	Smart Card	Up to 100 smart card can be registered
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	RFID	Remote Control

## FEATURES

### SPECIAL POINT



Convenient fingerprint recognition



IoT connectivity with your smartphone  
(Wi-Fi Bridge sold separately)



Simple design in black finish

### Safety Function



Scramble Code  
(Fake Pin-code)



Alarm for  
Damage / Intrusion



Automatic Locking

### Convenience Function



Invisible Keypad with  
Smart Touchpad



Low Battery Alarm  
and Emergency Power  
Supply



Remote Control  
(Optional)





## Premium Rim Lock

# GR-60B

## Convenient & Safe

### Rim Lock

Rim lock is a product that works with a separate mechanical handle. It can be easily installed in various environments.

Solity has a wide range of rim locks from button type with cover to touch types.

### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 35-60mm
	PIN Code	Up to 4 passwords can be registered (4~12 digits)
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	RFID	Up to 100 smart card can be registered
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	Bridge	Remote Control

## FEATURES

### SPECIAL POINT



Convenient fingerprint recognition



IoT connectivity with your smartphone (Wi-Fi Bridge sold separately)



Luxurious design with firm grip

### Safety Function



Scramble Code  
(Fake Pin-code)

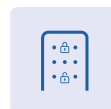


Alarm  
Damage / Intrusion / Prank



Automatic Locking

### Convenience Function



Smart touchpad with  
LED notifications



Low Battery Alarm  
and Emergency Power  
Supply



Remote Control  
(Optional)

## Non IoT Models & Features

### Mortise Lock / Handle Door Lock

# GM-5500K

## Convenient & Safe

### Mortise Lock

Mortise locks are one of the most secure forms of residential hardware available.

The classical appearance makes it more attractive and versatile. Solity has internally developed various mortise specifically according to the market needs.

#### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 40-70mm
	PIN Code	Up to 4 passwords can be registered (4~12 digits)
<b>Authentication</b>	RFID	Up to 100 smart card can be registered
	Physical key	2pcs
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>	Fire-proof	Remote Control

## FEATURES

#### SPECIAL POINT



Soft curves applied lever type lock



Fire-proof product for B2B projects (Optional)



Mechanical keys applied for emergency override

#### Safety Function



Scramble Code (Fake Pin-code)



Alarm Damage / Intrusion / Prank



Automatic Locking

#### Convenience Function



Smart touchpad with LED notifications



Low Battery Alarm and Emergency Power Supply



Remote Control (Optional)

## Premium fingerprint type Rim Lock

# GR-50BK

## Convenient & Safe

### Rim Lock

Rim lock is a product that works with a separate mechanical handle. It can be easily installed in various environments.

Solity has a wide range of rim locks from button type with cover to touch types.



### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 35-60mm
	PIN Code	Up to 4 passwords can be registered (4~12 digits)
<b>Authentication</b>	Fingerprint	Up to 100 fingerprint can be registered
	RFID	Up to 100 smart card can be registered
	Physical key	2pcs
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>		Remote Control

## FEATURES

### SPECIAL POINT



Mechanical keys applied for emergency override



Convenient fingerprint authentication



Premium Design

### Safety Function



Scramble Code  
(Fake Pin-code)

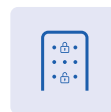


Alarm  
Damage / Intrusion / Prank



Automatic Locking

### Convenience Function



Smart touchpad with  
LED notifications



Low Battery Alarm  
and Emergency Power  
Supply



Remote Control  
(Optional)





## Standard Touch Rim Loack

# GRT-300

## Convenient & Safe

### Rim Lock

Rim lock is a product that works with a separate mechanical handle. It can be easily installed in various environments.

Solity has a wide range of rim locks from button type with cover to touch types.

### SPECIFICATION

<b>Installation</b>	Wooden & Steel Door	Door Thickness 35-60mm
<b>Authentication</b>	PIN Code	Up to 4 passwords can be registered (4~12 digits)
	RFID	Up to 100 smart card can be registered
<b>Normal Voltage</b>	DC 6V	AA Alkaline Battery
<b>Emergency Power</b>	DC 9V	9V Alkaline Battery
<b>Option</b>		Remote Control



## FEATURES

### SPECIAL POINT



Ultra Slim Design



LED notification



Convenient RFID card authentication

### Safety Function



Scramble Code  
(Fake Pin-code)

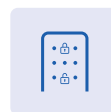


Alarm  
Damage / Intrusion / Prank



Automatic Locking

### Convenience Function



Smart touchpad with  
LED notifications



Low Battery Alarm  
and Emergency Power  
Supply

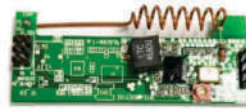


Remote Control  
(Optional)

## Accessories for IoT and Non IoT Models



RX-100  
Compact Lever locks



RX-200  
Lever locks



RX-300  
Rim locks



VDP  
Video Door Phone module



RX-700 / RX-710  
IoT Support locks



BL-100  
Bluetooth module



TX-300  
Portable Remote control



TX-200 / TX-210  
Stationary Remote control



GW-100  
Gateway/Bridge



## Get in touch now

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DIGITAL SYSTEM