suprema

Xpass Slim

Ultra Slim IP Access Reader

- Multi-smartcard reading
- RS485 & Wiegand
- IP65 dust & water protection
- Gang box-sized, slim design

Contents

Safety Precautions

Do not install the device in a place subject to direct sun light, humidity, dust or soot.

Do not place the device next to heating equipments.

Do not place a magnet near the product.

- It may cause a damage or a failure to the product.

When cleaning, do not splash water on the device; wipe it clean with smooth cloth or towel.

Be careful not to let liquid like water, drinks or chemicals leak inside the device.

- It may cause a failure.

Clean the device often to remove dust on it.

The list above is to keep user's safety and prevent any loss. Please read safety precautions carefully before use.

Safety Precautions

Do not drop the device.

Do not disassemble, repair or alter the device.

- The warranty does not apply to any product damage cause by an arbitrary installation or repair.

Do not let children touch the device without supervision.

Do not use the device for any other purpose than specified.

Do not damage the device.

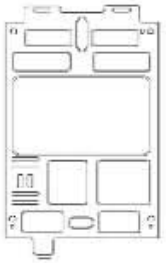
Contact your nearest dealer in case of a trouble or problem.

The list above is to keep user's safety and prevent any loss. Please read safety precautions carefully before use.

Product Components

Basic Components

Xpass Slim



Bracket

Expandsion Bracket (Optional)

Wall mounting screws
(2 ea)

Knife Blocks
(2 ea)

Shrinkable Tubes

Software CD

The components shown above may differ depending on the installation environment.

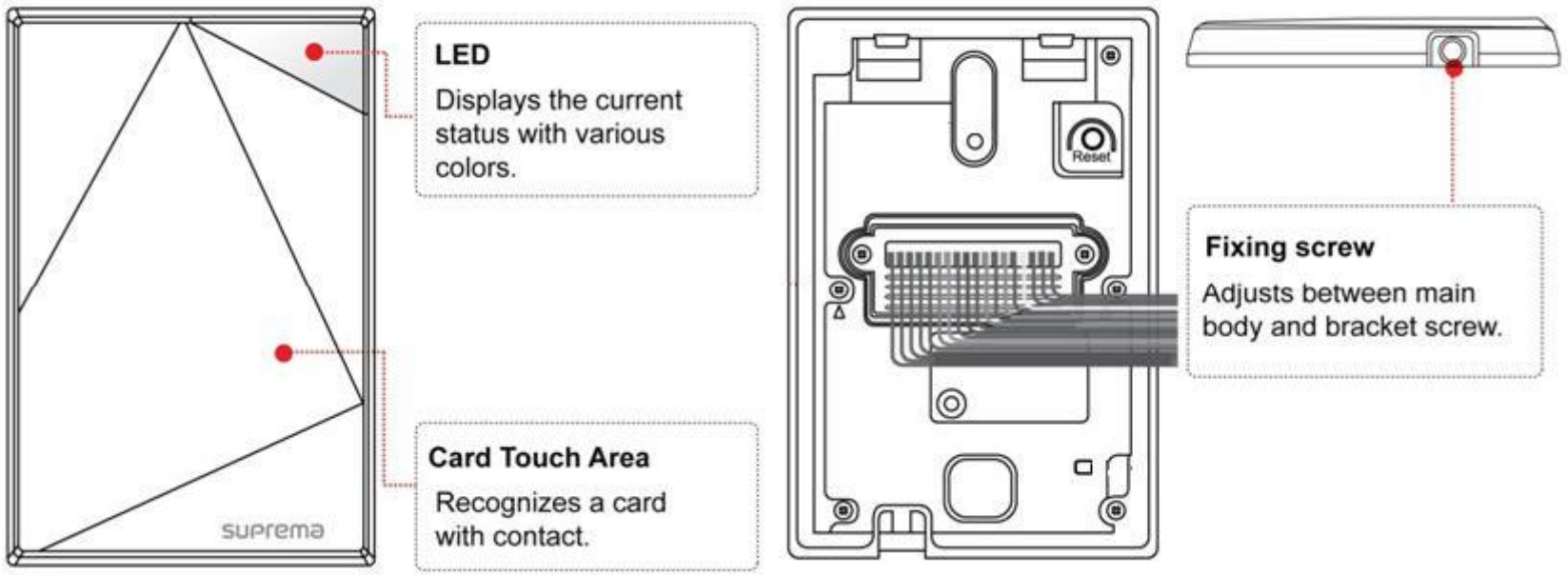
Optional Accessories

Extended Bracket

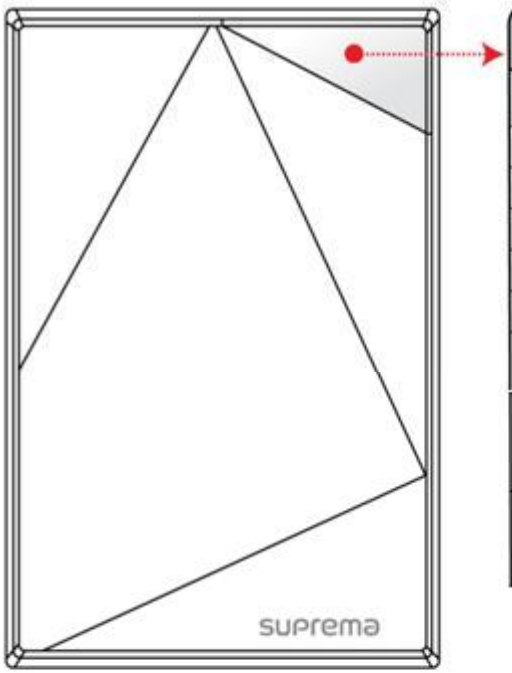
Secure I/O

Plastic Stand

Product Description



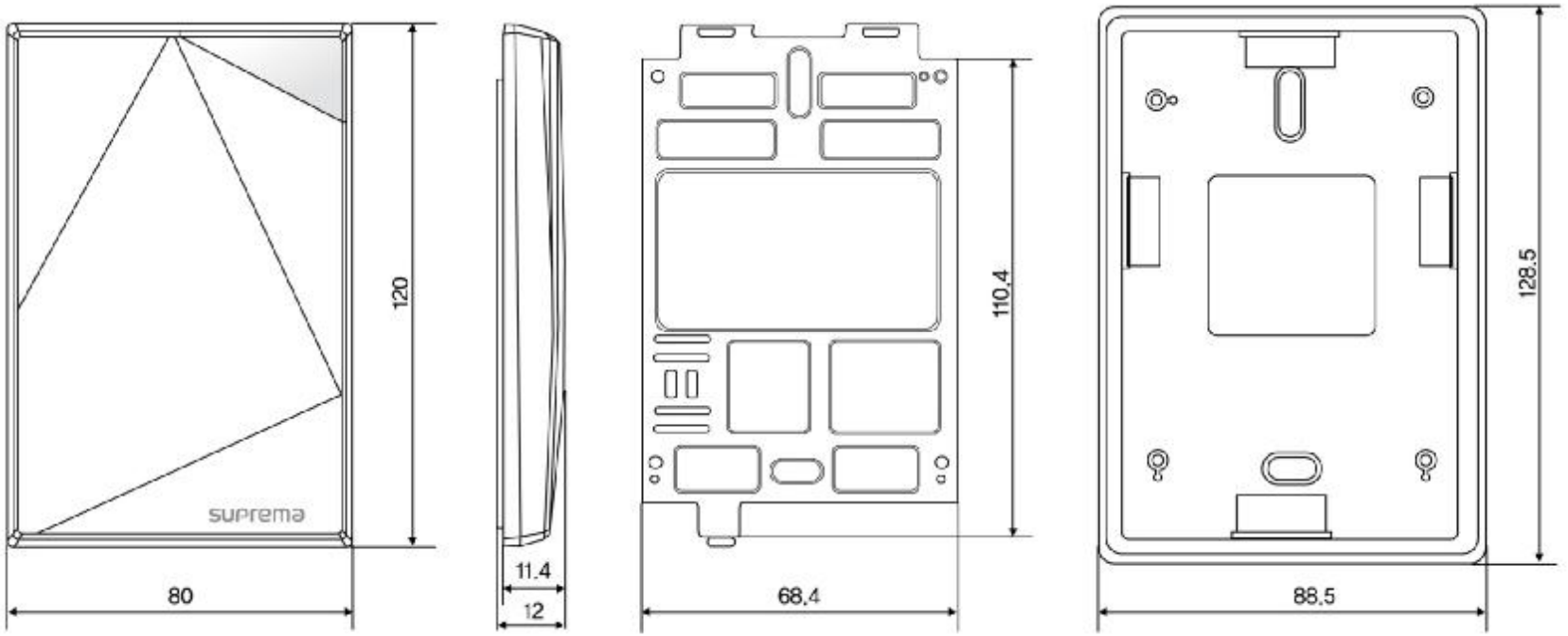
LED Status



LED Status per Color		
Color	Sound	Description
Green	Beep Beep Beep	Authorization Success
Red	Be~ep	Authorization Fail
Pink	Beep!	On Processing
Flicker Blue/Sky-Blue Color per 2sec	No sound	Normal
Flicker Red/Pink Color per 2sec	No sound	Locked
Flicker Blue/Red Color per 2se	No sound	Initialized Time due to the Internal Battery Discharge
For first operation, red LED is blinking by every 2 seconds.	No sound	Failed. Please contact to your distributor or Suprema
For normal operation, red LED is blinking by every 2 seconds.	No sound	Security status

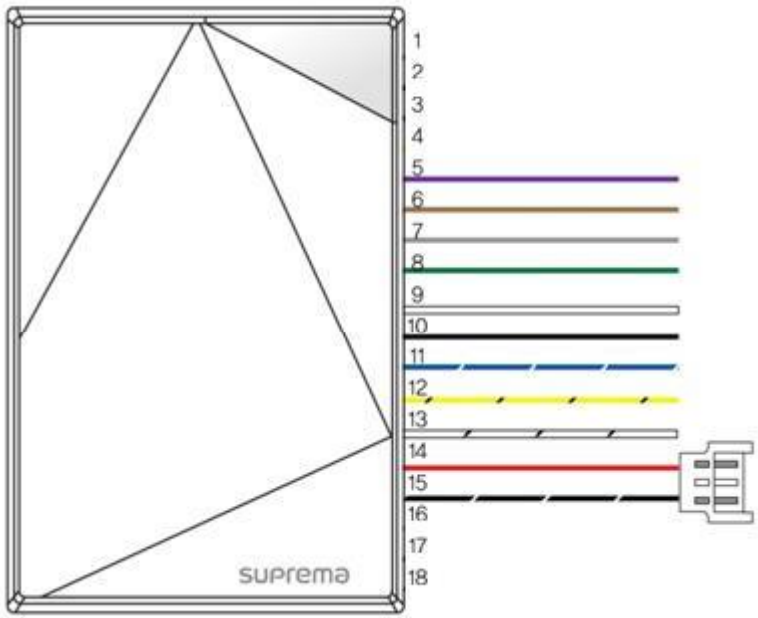
Product Dimensions

(unit : mm)



< Front View > **< Side View >** **< Bracket >** **< Extended bracket >**

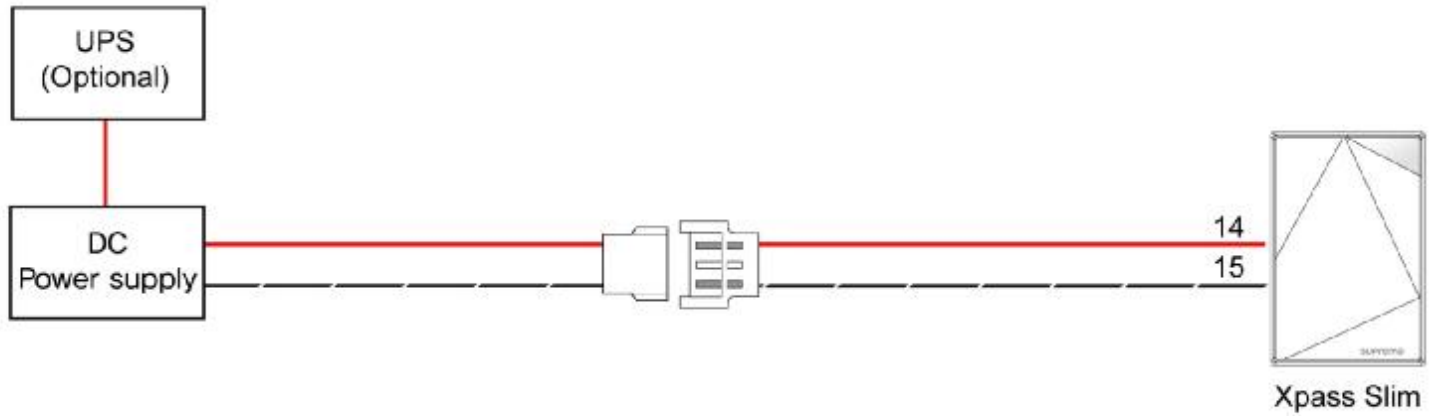
Cables and Connectors



Pin	Pin Name	Description	Color
5	SWIN 0	Switch Input 0	Purple
6	SWIN 1	Switch Input 1	Brown
7	SW GND	Switch GND	Gray
8	WGD D0	Wiegand Data 0	Green
9	WGD D1	Wiegand Data 1	white
10	WGD GND	Wiegand GND	Black
11	485 TRX+	485 TRX+	Blue(white string)
12	485 TRX-	485 TRX-	Yellow(black string)
13	485 GND	485 GND	White(black string)
14	PWR IN	Power IN	Red
15	PWR GND	Power GND	Black (white string)

Power Connection

Pin	Pin Name	Color
14	PWR IN	Red
15	PWR GND	Black (white string)

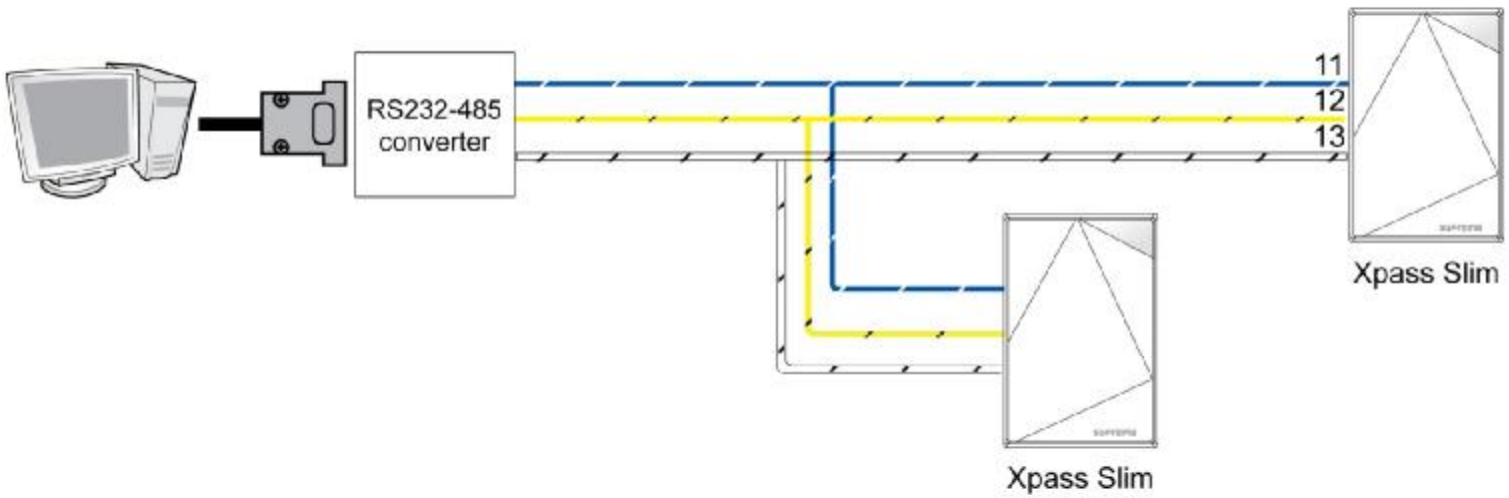


Recommended Power Supply:

12V ± 10%, at least 500mA.
Comply with standard IEC/EN 60950-1.
When sharing the power with other devices, use a power supply with a higher current ratings.

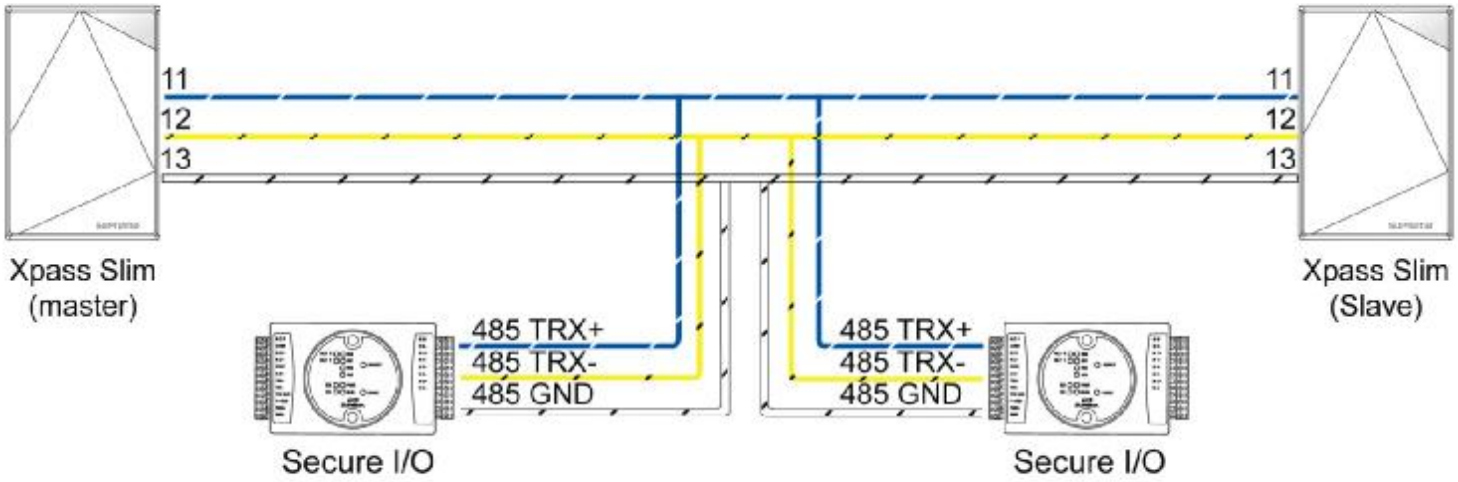
RS485 Connection for Host Communication

Pin	Pin Name	Color
11	485 TRX+	Blue (white string)
12	485 TRX-	Yellow (black string)
13	485 GND	White (black string)



RS485 Connection for Secure I/O

Pin	Pin Name	Color
11	485 TRX+	Blue (white string)
12	485 TRX-	Yellow (black string)
13	485 GND	White (black string)

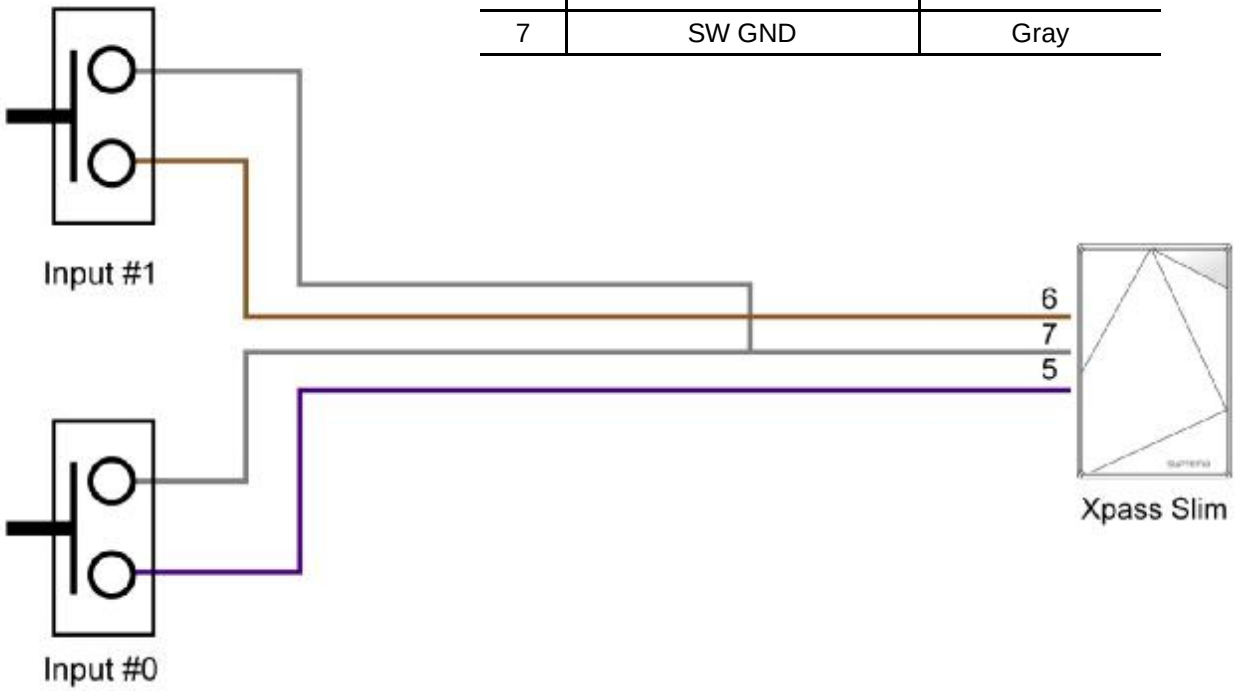


Max Number of Devices:

Maximum eight(8) devices (including master) within an RS485 loop.

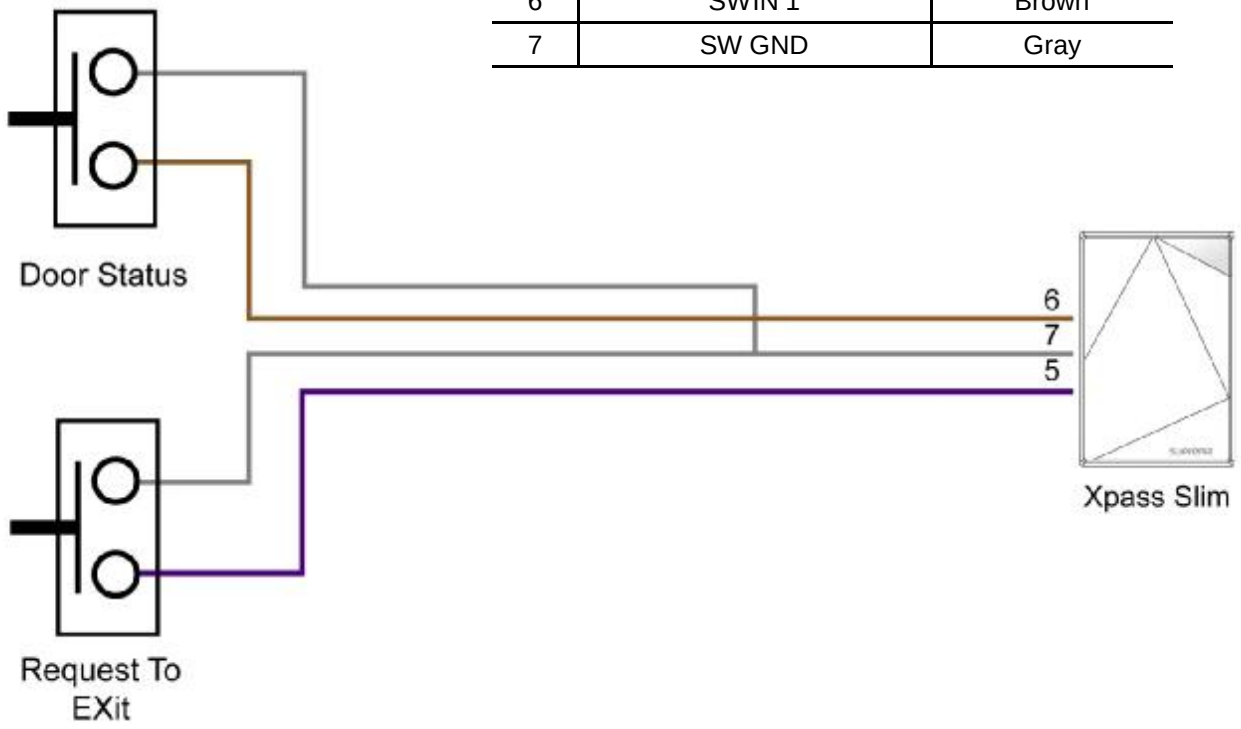
Digital Input Connection (Alarm, Emergency S/W)

Pin	Pin Name	Color
5	SWIN 0	Purple
6	SWIN 1	Brown
7	SW GND	Gray



Digital Input Connection (RTE, Door sensor)

Pin	Pin Name	Color
5	SWIN 0	Purple
6	SWIN 1	Brown
7	SW GND	Gray



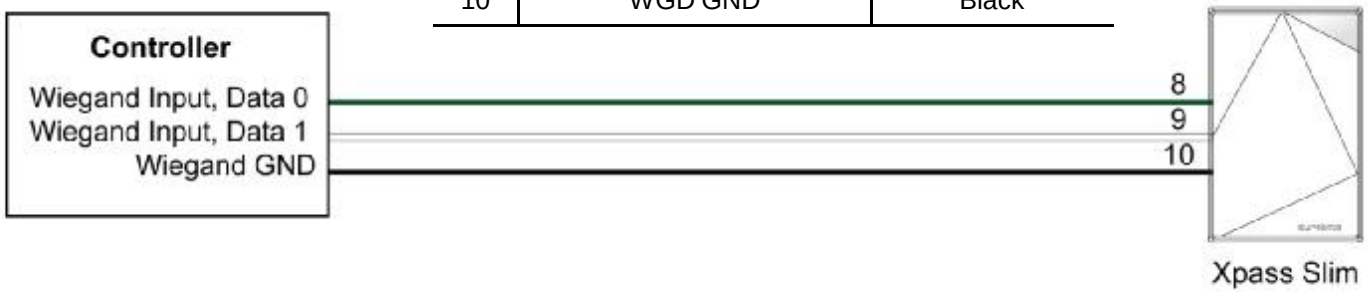
Wiegand Input/Output

Wiegand Input

Pin	Pin Name	Color
8	WGD D0	Green
9	WGD D1	White
10	WGD GND	Black

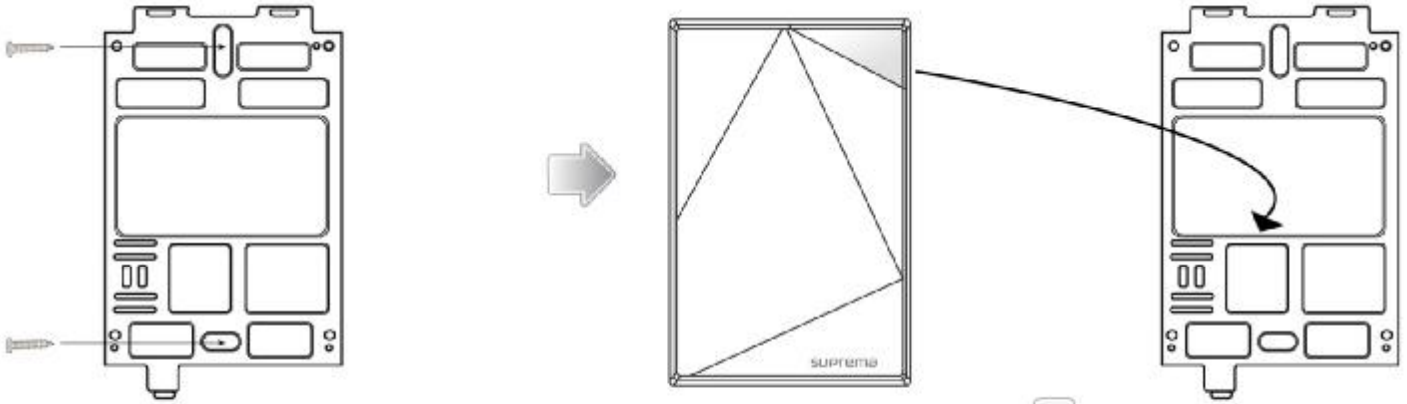
Wiegand Output

Pin	Pin Name	Color
8	WGD D0	Green
9	WGD D1	White
10	WGD GND	Black



Wall-mount Bracket Installation

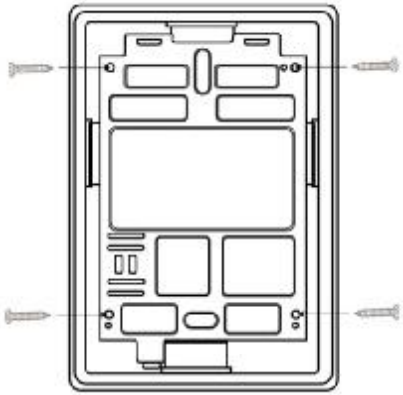
- **Fix the wall mount bracket on a wall using the wall mounting screws**
- **Hook Xpass Slim on the wall mount bracket**



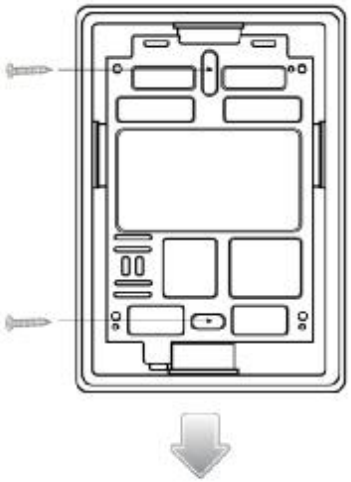
- **Fix Xpass Slim and wall mounting bracket using the mounting screw**

Extended Bracket Installation

- **Assemble the extended bracket using the provided screws**

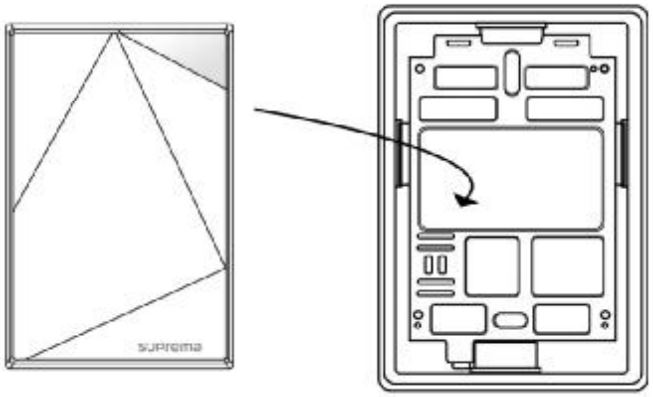


- **Mount the extended bracket to the desired location using the wall mounting screws**



- **Fix Xpass Slim and the extended bracket using the mounting screw**

- **Hook Xpass Slim on the extended bracket**



Specification

CPU	32 bit Micro-processor
Memory	1MB FLASH + 16MB SDRAM
RF Card	13.56 MHz ISO14443A/B, ISO15693, Mifare/DesFire(CSN), Inside(CSN), Felica(IDM)
User Capacity	40,000 user
Log Capacity	50,000 log
Interfaces	RS485, Wiegand In or Out
IP Rate	IP65 class
Sound	Multi-tone Buzzer
LED	Multi-color LED
RTC	Lithium-ion Rechargeable Batteries
I/O	Tamper x 1 Switch Input x 2 Wiegand x 1
Power	12VDC
Operating Temperature	-20 ~ 50°C
Size	80 x 120 x 11.4mm (W x H x D)
Certificates	CE, FCC, KCC, RoHS, IP65

Caution for RTC Battery

Improper replacement of the battery may result in an explosion.
Please use the specified battery according to proper instructions.

Electrical Specification

	Min.	Typ.	Max.	Notes
Power				
Voltage (V)	10.8	12	13.2	Use regulated DC power adaptor only
Current (mA)	-		500	
Switch Input				
VIH (V)	-	TBD	-	
VIL (V)	-	TBD		
Pull-up resistance (Ω)	-	4.7k	-	The input ports are pulled up with 4.7k resistors
TTL/Wiegand Output				
VOH (V)	-	5	-	
VOL (V)	-	0.8	-	
Pull-up resistance (Ω)	-	10k	-	The outputs ports are open drain type, pulled up with 10k resistors internally
Relay				
Switching capacity (A)	-	-	1 0.3	30V DC 125V AC
Switching power (resistive)	-	-	30W 37.5VA	DC AC
Switching voltage (V)	-	-	110 125	DC AC

FCC Rules

Caution

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interface, and (2) this device must accept any interface received, including interference that may cause undesired operation.

Information to User

This equipment has been tested and found to comply with the limit of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, user and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more the following measures:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help

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