Suprema Inc.

-Operational description-

▌Power Connection 1

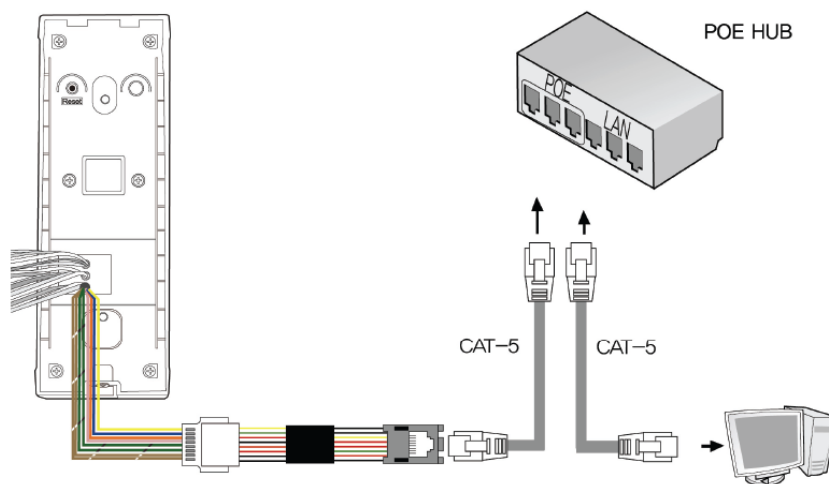| Pin	Pin Name	Color
14	POWER IN+	Red
16	POWER IN-	Black (white string)
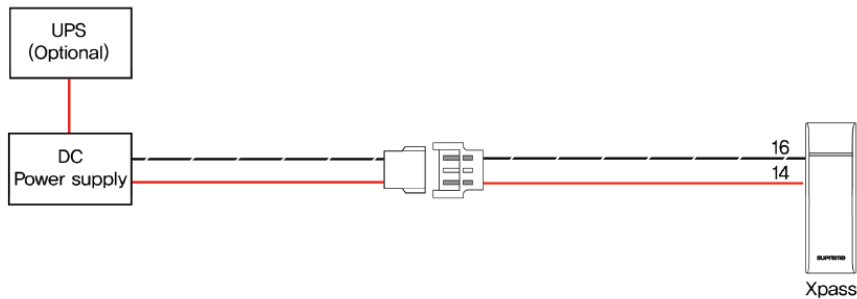
Recommended power supply

12V ± 10%, at least 500mA.
Comply with standard IEC/EN 60950-1.
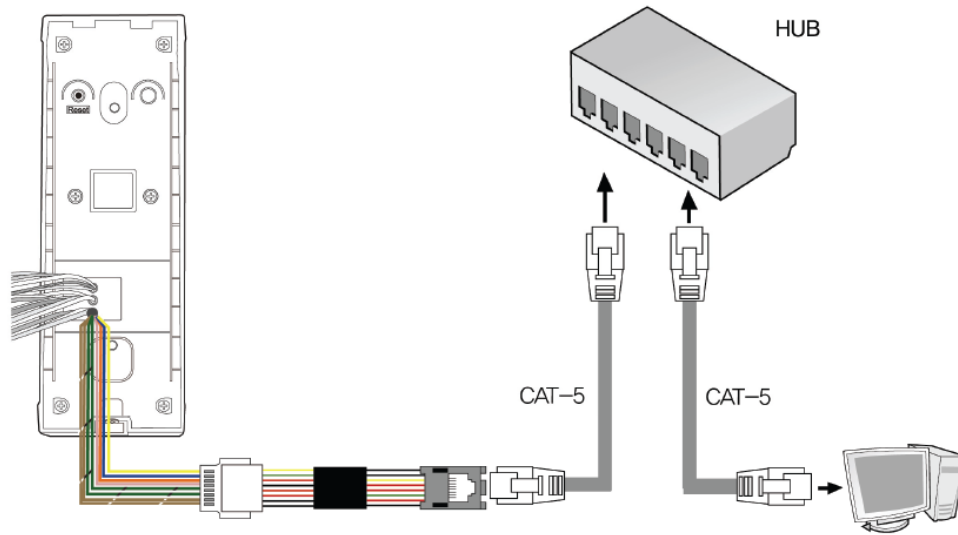To share the power with other devices, use a power supply with higher current ratings.
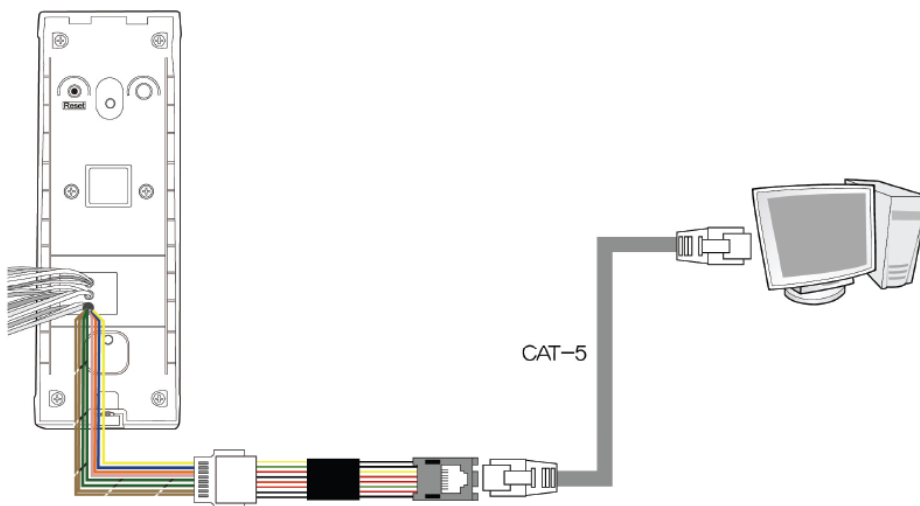
▌Power Connection 2

Recommended power supply

Please use the distance of LAN cable within 100m in case of **POE** power.
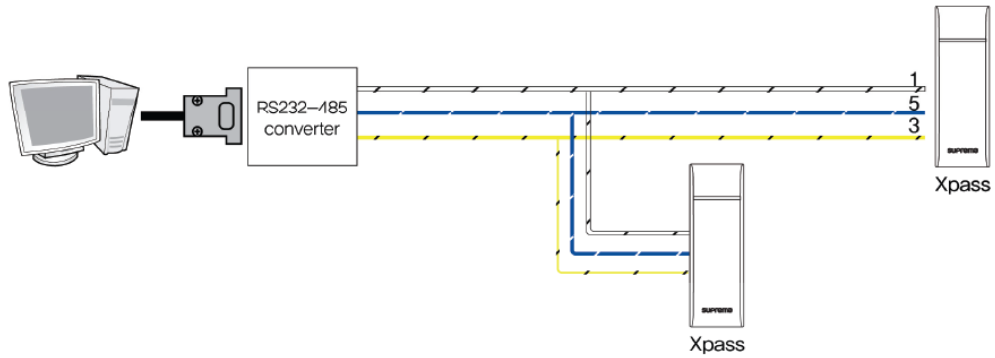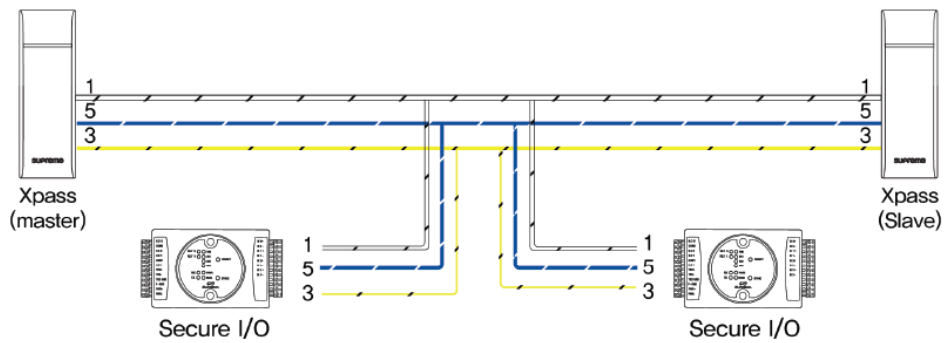
LAN Connection

LAN Connection (Direct connection with PC)

RS485 Connection for Host Communication

Pin	Pin Name	Color
1	485 GND	White (black string)
3	485 -	Yellow (black string)
5	485 +	Blue (white string)

RS485 Connection for Secure I/O

Pin	Pin Name	Color
1	485 GND	White (black string)
3	485 -	Yellow (black string)
5	485 +	Blue (white string)

Relay Connection – Fail safe lock

Pin	Pin Name	Color
10	RLY COM	Green (white string)
12	RLY NC	Orange (black string)
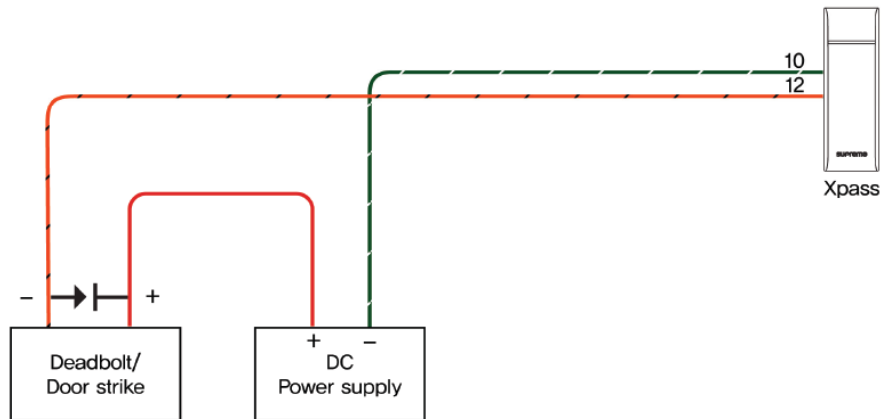
Relay Connection – Fail secure lock

Pin	Pin Name	Color
8	RLY NO	Gray (white string)
10	RLY COM	Green (white string)
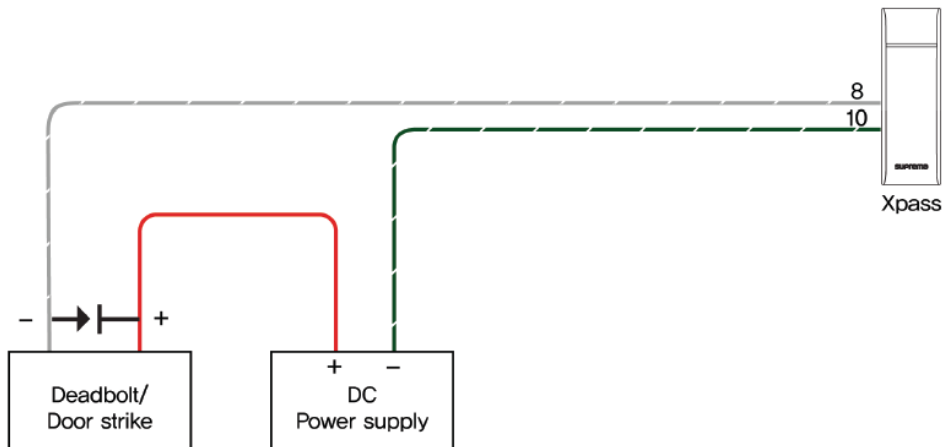
Relay Connection - Automatic door

Pin	Pin Name	Color
8	RLY NO	Gray (white string)
10	RLY COM	Green (white string)
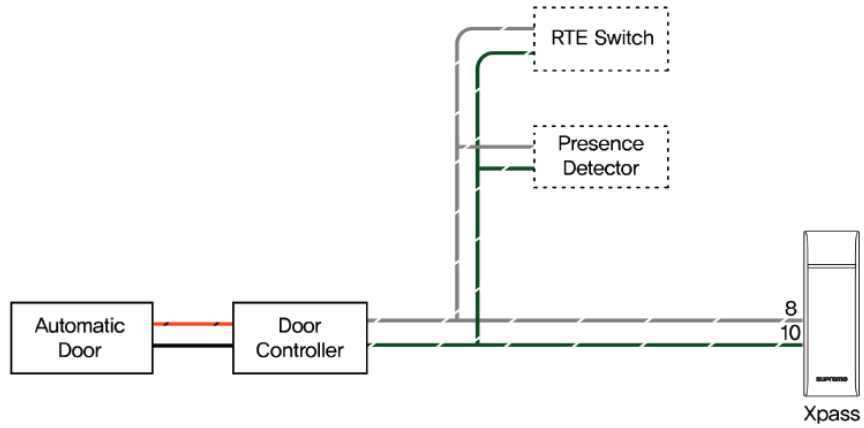
Digital Input Connection (Alarm, Emergency S/W)

Pin	Pin Name	Color
7	IN 1	Brown
9	IN GND	Gray
11	IN 0	Purple
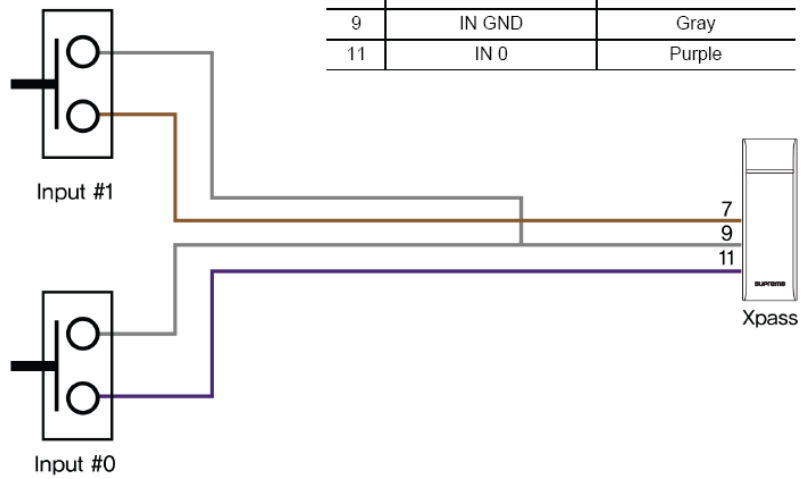
Wiegand Input/Output

Wiegand Input

Pin	Pin Name	Color
2	WGD GND	Black
4	WGD D1	White
6	WGD D0	Green

Wiegand Output

Pin	Pin Name	Color
2	WGD GND	Black
4	WGD D1	White
6	WGD D0	Green

Output

Pin	Pin Name	Color
10	RLY COM	Green (white string)
12	RLY NC	Orange (black string)
18	PWR OUT +	Light Blue
20	PWR OUT -	Black (white string)