

# BF-604 EW/MW Card Reader

## Proximity & Smart Card Reader

BF-604 EW/MW Card Reader transceiver unit is designed for reading code from uem4100 compatible read-only tags and is a major component in RFID (Radio Frequency Identification) reader system. It supports a 3x4 keypad to facilitate auxiliary password input. It can be applied in office/home security, personal identification, access control and production control systems etc. (BF-20 is required for BF-604)



### Features

- Built-in transceiver antenna.
- Maximum effective distance up to 180 mm.
- Less than 100m s decoding time.
- Low power dissipation with single power supply
- Wiegand 34 bits or other format interface optional.
- Support uem4100 compatible read only tags (64 Bits, Manchester coding).
- Support 3x4 keypad for password input.
- Built-in bi-colour LED and buzzer.

### Interface Description

NUMBER	COLOR	SYMBOL	DESCRIPTION
1	Red	VCC	Positive Power Supply
2	Black	GND	GND
3	Green	WD0	Output as DATA0 in Wiegand
4	White	WD1	Output as DATA1 in Wiegand
5	Brown	HOLD	Output as HOLD in Wiegand
6	Blue	LED	Input, internally pulled up to +5V. Connected to GND will change the color of LED.
7	Grey	BUZ	Input, internally pulled up to +5V. Connected to GND will activate the BUZZER.

### Specification

- Frequency: 125KHZ
- Operation Voltage: DC 9~15 V
- Operation Temp.: 0°C~70°C
- Storage Temp.: -55°C~125°C
- Operation Humanity: 5%~90%
- Dimensions: 109 X 88 X 33 mm

\* Due to continuous product enhancement, Sin Chew Alarm reserves the right to change / modify specification without prior notice.