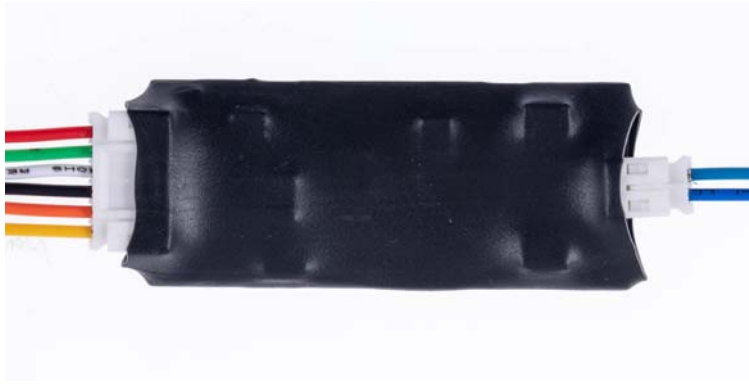


# GV-WTR Wiegand Converter



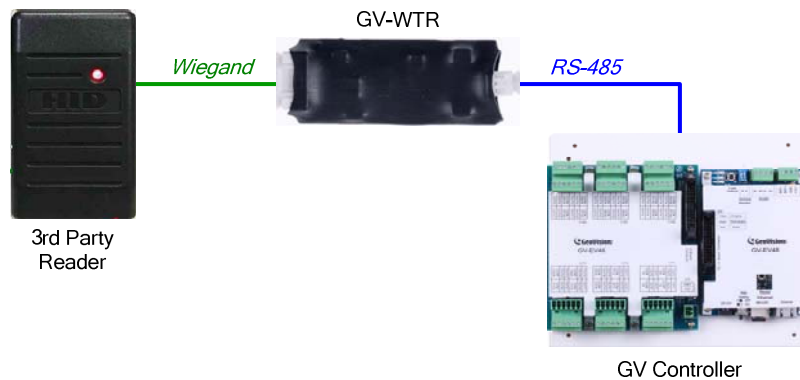
## Introduction

GV-WTR is a converter designed for enabling the integration of a 3<sup>rd</sup>-party Wiegand or GV-RS-485 interface reader to a GV-RS-485 or Wiegand controller, respectively. Through the GV-WTR, both Wiegand / GV-RS-485-interface readers can be easily combined to a wide range of access control systems for improved versatility.

## Key Features

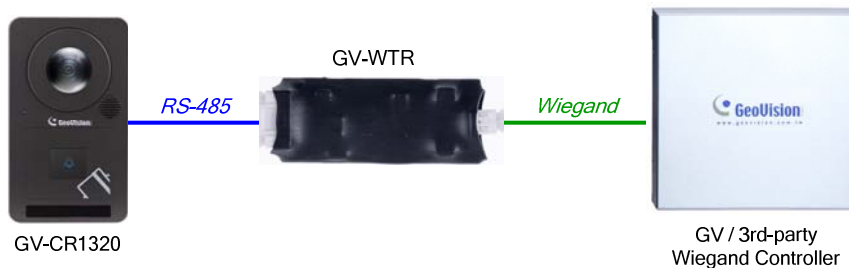
### Wiegand to RS-485

- Support one Wiegand (3rd party) reader to be integrated to a RS-485 GV-Controller
- Compliant with GV-AS210 / 410 / 810 / 1010 / 1520 / 1620 / 2110 / 2120 / 4110 / 4111 / 8110 / 8111, GV-CS1320 and GV-EV48

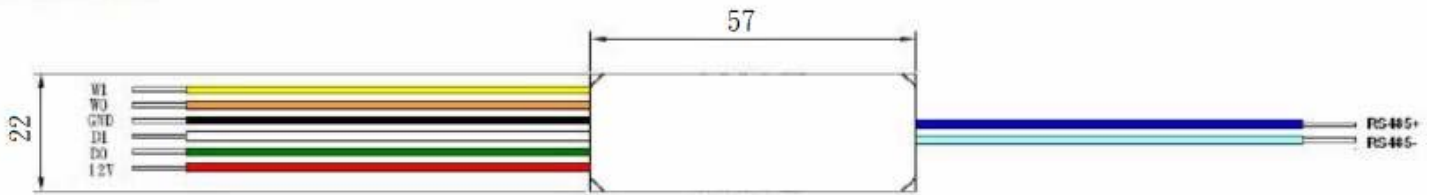


### GV-RS485 to Wiegand

- Support one GV-CR1320 (RS-485) reader to be integrated to a Wiegand controller



## Wire Definition



Wire color	Definition	Wire color	Definition
Yellow	Wiegand Data 1 (Output)	Green	Wiegand Data 0
Orange	Wiegand Data 0 (Output)	Red	DC 12V
Black	GND	Blue	RS-485+
White	Wiegand Data 1	Light Blue	RS-485-

## Specifications

System Requirements		
GV controllers supported	GV-AS210 / 410 / 810 / 1010 / 1520 / 1620 / 2110 / 2120 / 4110 / 4111 / 8110 / 8111, GV-CS1320 and GV-EV48	
GV readers supported	GV-CR1320	
Hardware		
CPU	8-bit Microprocessor	
Power	DC 12 V , 20 mA	
Wiegand Interface	1 Wiegand interface, 26 ~ 64 bit format, distance 100 m (328.1 ft), 24 AWG	
Serial Interface	RS-485	1 RS-485+/- interface
	Serial line protection	8 KV ESD for all signals
Communication Parameters	Parity	N/A
	Data bit	8
	Stop bit	1
	Speed	9600 bps
Operating Temperature	0 ~ 55°C / 32 ~ 104°F	
Operating Humidity	0% ~ 95% RH (non-condensing)	
Dimensions (W x H x D)	57 x 22 x 7 mm (2.2 x 0.87 x 0.28 in)	
Weight	22 g (0.0486 lb)	
Certification	CE, FCC, RoHS	

**Note:** Specifications are subject to change without notice.

## Packing List

- GV-WTR
- Warranty Card