User Manual

Wiegand to USB Signal Converter

SecureEntry-ConWG-USB

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Specifications:

- **Warranty:** 1 year
- **Device Type:** Wiegand to USB Converter for Access Control Devices
- **Interface:** USB Plug & Play
- **Conversion Method:** Wiegand to USB
- **Supported OS:** WinXP / Win7 / Win10 / Linux / Android
- **Working Voltage:** 9-12V
- **Working Current:** 100mA
- **Device dimensions:** 71 x 41 x 23 mm
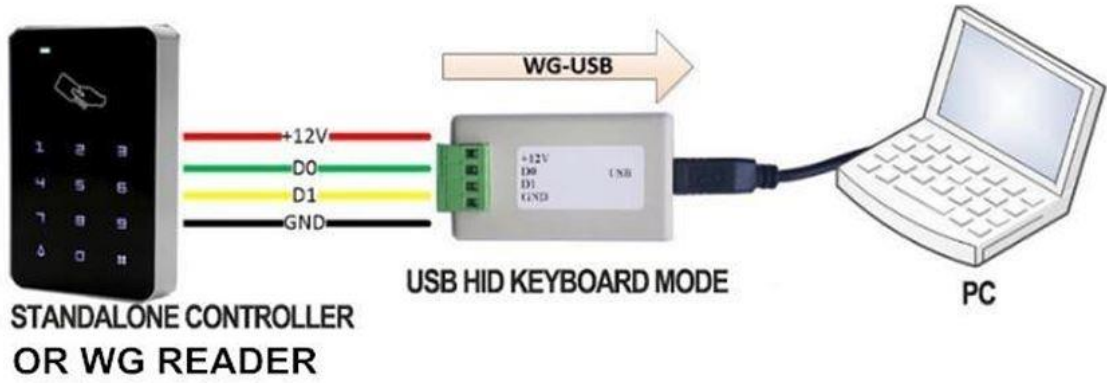- **Device weight:** 100 g
- **Weight with packaging:** 200 g

Set contents:

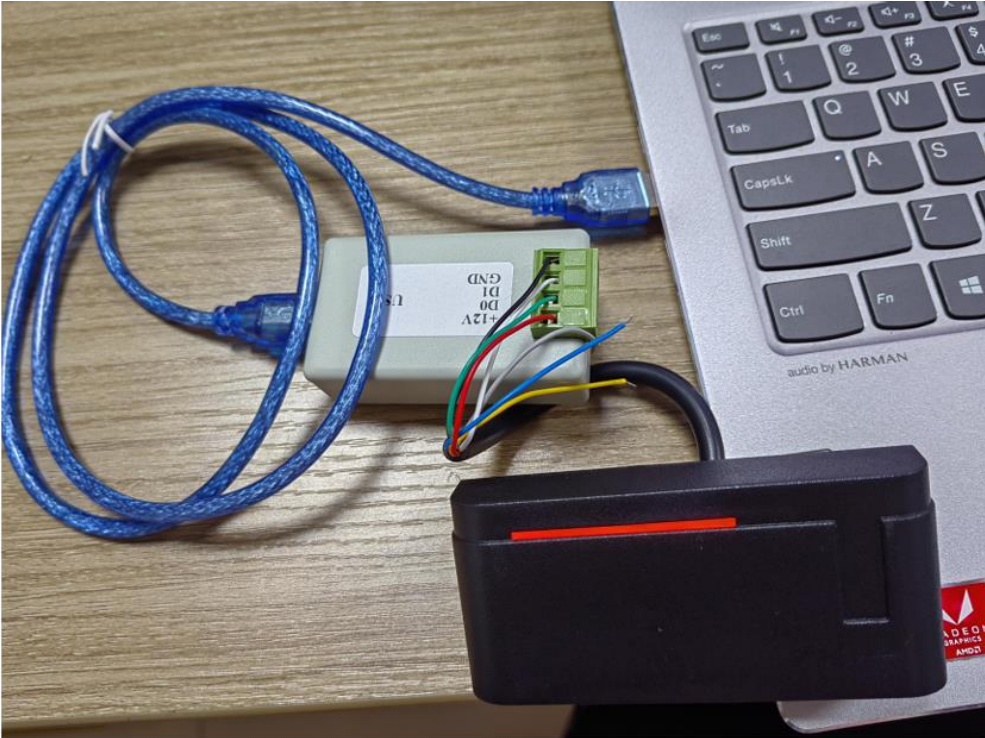- Access Control Converter
- USB cable

Features:

- The SecureEntry-ConWG-USB converter converts signals from the Wiegand interface to USB-compatible signals, allowing access control devices to be easily integrated into a PC.
- The small size and lightness of the device save working space and allow for easy portability.
- Quick and hassle-free connection: Plug & Play technology allows you to quickly connect to a USB port without the need to install additional drivers.
- Wide System Compatibility: The device works with most operating systems such as Windows XP, 7, 10, Linux and Android, which ensures versatility of use.
- HID Keyboard Detection: Automatic detection as HID Keypad eliminates installation and configuration hassles, simplifying the integration process.
- **Extension of Functionality**: the converter gives you the ability to use Wiegand devices in systems that do not support this protocol, increasing their versatility.
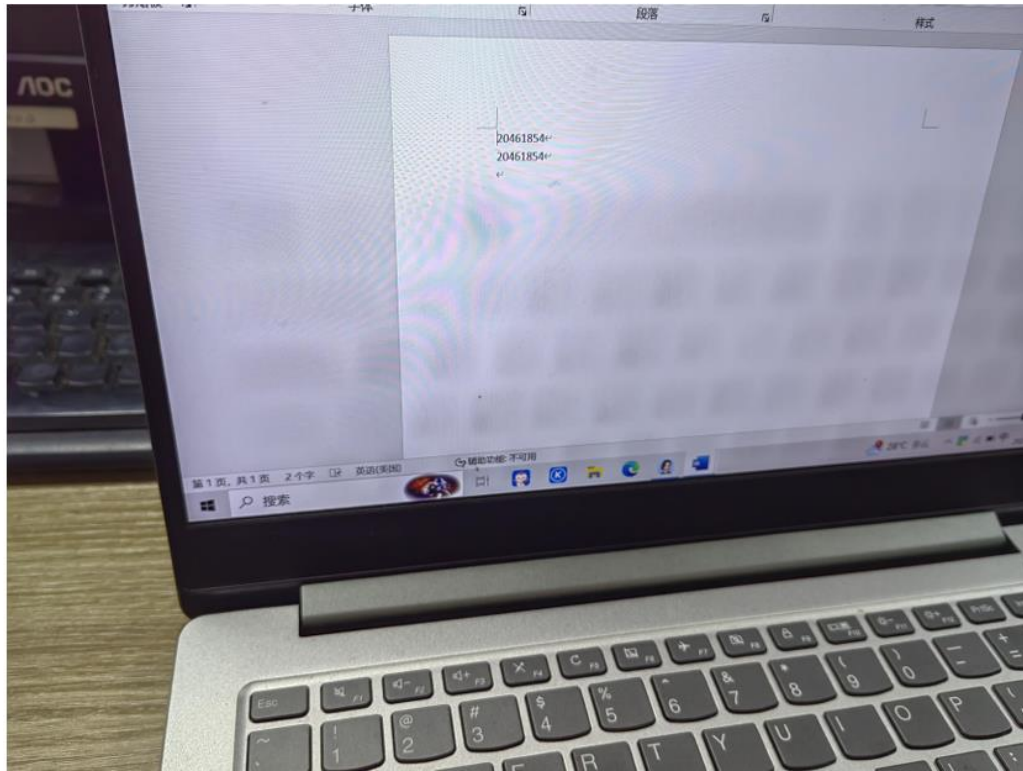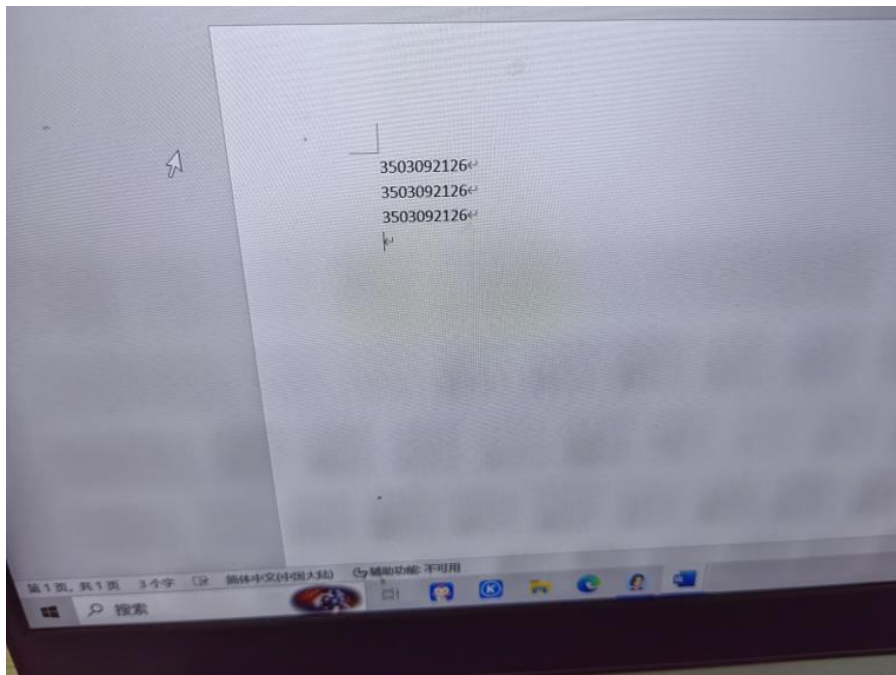
Connection diagram

Steps to follow:

1. Connect the converter and your computer with a USB cable.
2. Connect the reader's DC12V cable to the DC12V jack on the converter.
3. Connect the reader cable D0 to the converter's D0 socket.
4. Connect the reader cable D1 to the converter's D1 socket.
5. Connect the GND cable of the reader to the GND socket of the converter.

6. The data can be displayed in a text editor. The converter automatically identifies the Wiegand 26/34 format supporting the appropriate one.

7. Wiegand 26 3-byte output.

8. Wiegand 34 4-byte output

9. Note that the same readers by default, Wiegand 26 and Wiegand 34, must be connected by a grey wire (depending on the reader) to the GND socket, in this case the output bits of Wiegand 34 require both the GND wire of the reader and the grey wire to be connected at the same time to the GND of the converter.