

WIEGAND - USB (RS) (virtual serial port) CONVERTER

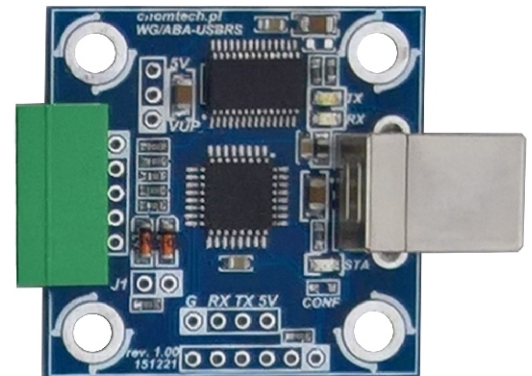
The converter with standard WIEGAND readers widely used in access control systems. The device allows you to convert the interface WIEGAND to the standard interface used by the USB - virtual serial port emulation.

The converter allow to modernize and extend the functionality of the solutions – can be an alternative to costly replacement of the entire system. Device is used especially in systems: security, access control, time registration, logistics, warehouse, etc.

The use of universal interfaces allows to adjust or migrate different kinds of systems, readers, card.

In the case of special needs converter can be programmed by individually tailored and custom algorithms.

To be built in (OEM).

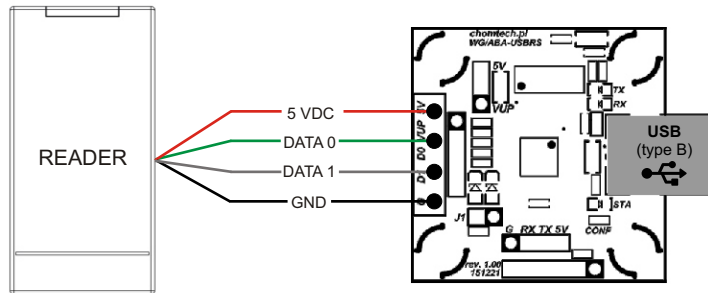


TECHNICAL SPECIFICATIONS

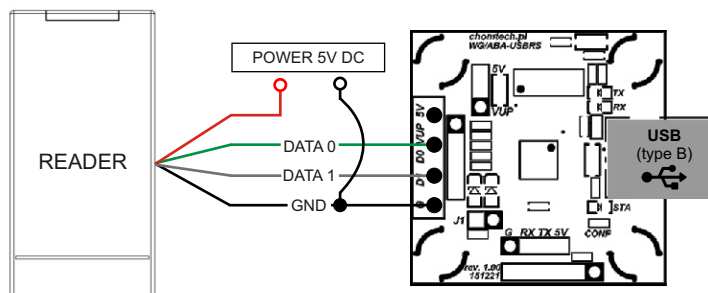
POWER SUPPLY	5V DC from USB port
POWER CONSUMPTION	~20mA (without readers)
POWER READER	USB port (5V DC, max. 100mA) ----- external power supply (in accordance with the reader of the parameters)
COMPLIES WITH USB	USB 1.1, USB 2.0
READER'S INTERFACE	WIEGAND
COMPATIBLE READERS	proximity, biometrics, barcodes, magnetic, OCR, ICR, OMR, RFID UHF
TYPES OF CARD	compatibility with the reader technology
STA LED	indicates proper operation
TX, RX LED	receiving data signals WIEGAND interface
USB DRIVER	available on website: http://www.ftdichip.com/Drivers/D2XX.htm
DIMENSIONS [mm]	38,6 x 38,6 x 15
WEIGHT (g)	10 (PCB)
MOUNTING HOLES	4pcs - diameter 4mm
OPERATING TEMPERATURE	-10°C - +55°C
STORAGE TEMPERATURE	-20°C - +70°C
HUMIDITY RELATIVE	under 80%
OPTIONS	AC adapter 12V DC, 500mA; connection cables - 1m; housing (material - ABS)

EXAMPLE OF CONNECTION DIAGRAM

EXAMPLES OF CONNECTION TO THE READER (POWER FROM USB PORT)



EXAMPLES OF CONNECTION TO THE READER (EXTERNAL POWER SUPPLY)



MEANS OF COMMUNICATIONS

Virtual serial port transmission parameters:

- baudrate: 9600bps
- stop bits: 1bit
- parity bits: 1bit

Example of the read number:

*E86FF91F00#20<CR><LF>

where:

- * - mark of the beginning transmission
- E86FF91F00 - ASCII card number
- #20 - 0x20=32, 32 bits was read
- <CR><LF> - new line characters 0x0D, 0x0A