avanguard®

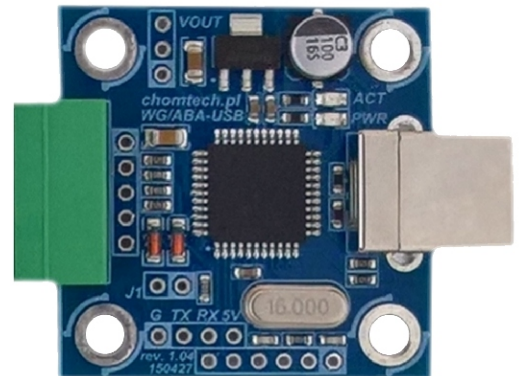## WIEGAND - USB (keyboard) / UART(3V3) - USB (keyboard) CONVERTER

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 - standard keyboard wedge emulation. It is also possible to connect serial readers RS232 (TTL/3V6).

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.
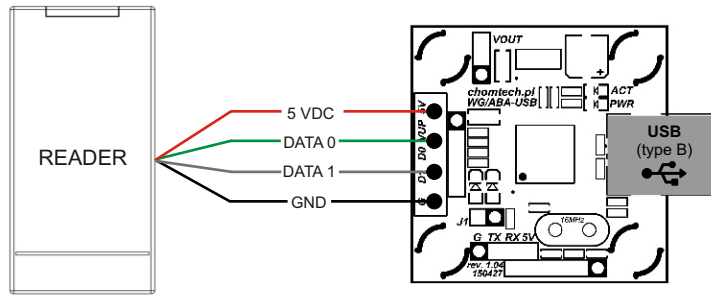
To be built in (OEM).

TECHNICAL SPECIFICATIONS

POWER SUPPLY	5V DC from USB port
POWER CONSUMPTION	~15mA (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 and RS (transmission parameters in accordance with serial RS232 (TTL/3V6))
COMPATIBLE READERS	proximity, biometrics, barcodes, magnetic, OCR, ICR, OMR, RFID UHF
TYPES OF CARD	compatibility with the reader technology
YELLOW LED	indicates proper operation
RED LED	receiving data signals WIEGAND or RS interface
TRANSMISSION PARAMETERS OF THE RS INTERFACE	2400kbps, None, 8.1
DIMENSIONS [mm]	36 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)**

rev.1.34_20170127

chomtech.pl®
systemy bezpieczeństwa i autoidentyfikacji