chomtech.pl®
systemy bezpieczeństwa i autoidentyfikacji

avanguard®

CONVERTER WIEGAND - RS-232 / RS-485

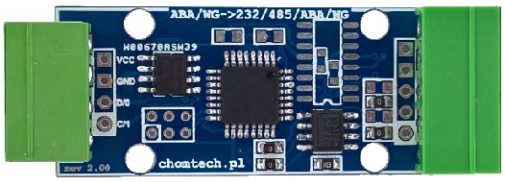
The converter with standard WIEGAND readers widely used in access control systems. The device allows you to convert the interface WIEGAND to the standard interface used by the RS-232 / RS-485 port.

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).

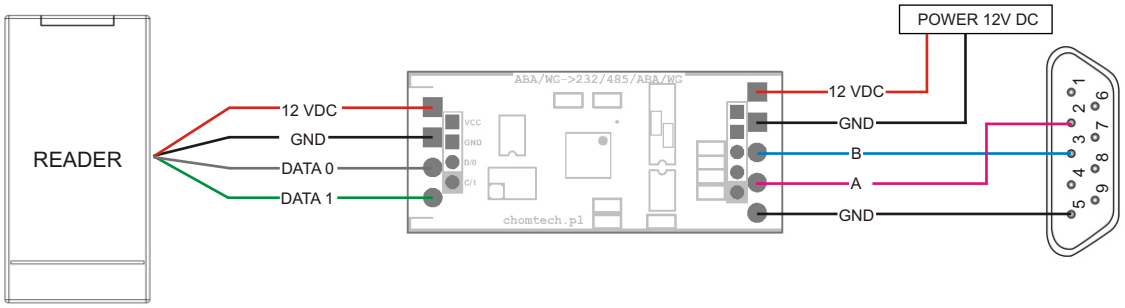


TECHNICAL SPECIFICATIONS

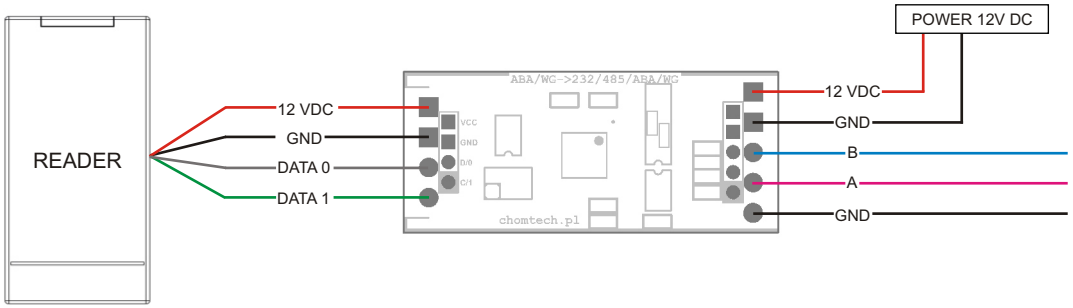
POWER SUPPLY	9-13V DC
POWER CONSUMPTION	~15mA (without readers)
READER'S INTERFACE	WIEGAND
COMPATIBLE READERS	proximity, biometrics, barcodes, magnetic, OCR, ICR, OMR, RFID UHF
TYPES OF CARD	compatibility with the reader technology
TRANSMISSION PARAMETERS OF THE RS-232 / RS-485	9600bps, None, 8, 1
DIMENSIONS [mm]	48 x 20 x 11
WEIGHT (g)	5 (PCB)
MOUNTING HOLES	4pcs - diameter 3mm
OPERATING TEMPERATURE	-10°C - +55°C
STORAGE TEMPERATURE	-20°C - +70°C
HUMIDITY RELATIVE	under 80%
OPTIONS	AC adapter 12V DC, 500mA; DB9 connector (RS-232); connection cables - 1m; housing (material - ABS)

EXAMPLE OF CONNECTION DIAGRAM

EXAMPLES OF CONNECTION TO READER (RS-232 PORT)



EXAMPLES OF CONNECTION TO READER (RS-485 PORT)



MEANS OF COMMUNICATIONS

UART 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

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