

## ARB-0612

Portable USB converter to RS232, RS422, RS485 2-wire, RS485 4-wire, TTL-3.3V, TTL-5V, HUB USB to 2 x RS485 with galvanic separation from 1,5 to 5kV.

### DESCRIPTION

The ARB-0612 converter converts the USB signal into a serial communication standard RS232/RS422/RS485, RS485-4W/TTL-3.3, TTL-5V. The device is powered directly from the USB port. It is possible to choose one of four serial transmission standards, i.e. RS232, RS422, RS485 or TTL. The converter supports two RS485 standards (2-wire and 4-wire), can act as HUB USB to 2xRS485. Among other similar products on the market, it is distinguished by support for four serial transmission standards (in one device RS232, 422, 485, TTL support is possible), galvanic separation, external watchdog / reset and support for additional lines RS232 (TxD, RxD, DSR, RI, DSR, DCD, RTS i CTS). The converter provides galvanic separation between the USB port and the other serial ports. In addition, the RS422 and RS485 port has overvoltage protection. The operating system creates a virtual COM serial port that can be used by applications as an ordinary COM port. All parameters of the COM port (like for example: baudrate, parity check), are determined by the application using the converter.

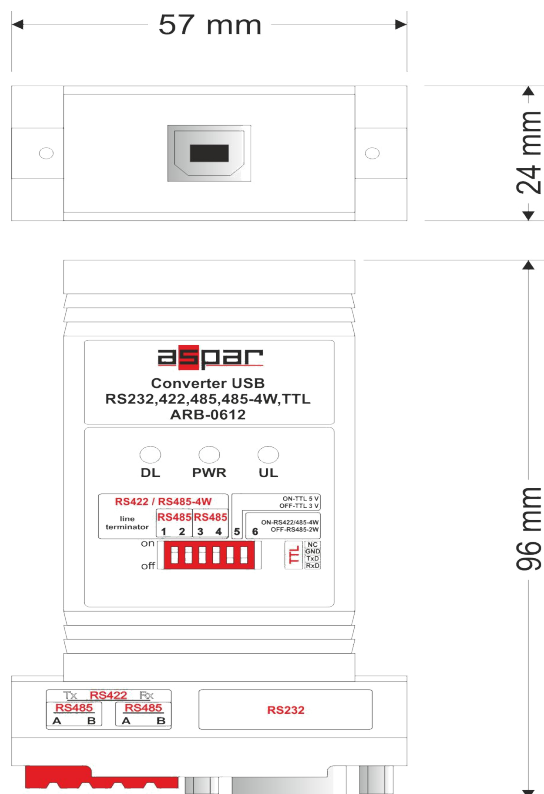
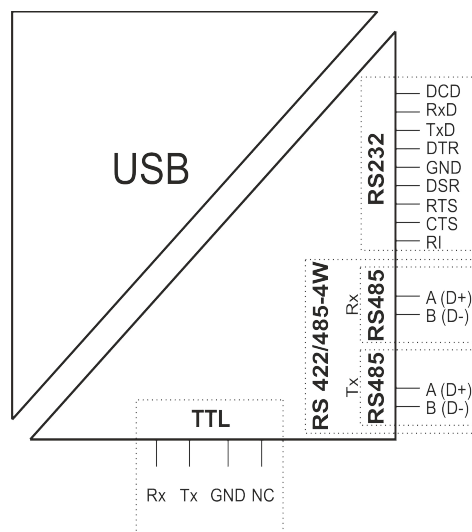


#### Main features

- USB conversion – RS232/422/485/485-4W/2x485/TTL-3.3, TTL-5V powered from USB
- Two and four-wire RS485 support
- **Two independent RS485 connections**
- Portable construction
- Built-in external WatchDOG / Reset
- Galvanic separation 1.5kV, 2.5kV, 3kV, 5kV
- Communication quality indication
- Built-in line terminator RS422, RS485 4W, RS485
- Virtual COM (supported by all operating systems) works as physical COM port
- Full RS232 port (TxD, RxD, DSR, DTR, DCD, RI, RTS i CTS)

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**Dimensions**

**Block diagram**

**Ordering method**

Symbol	Description	Catalogue number
ARB-0612-1,5	USB – RS232/422/485/TTL z separacją 1,5 kV, black	03-01-03-07-01-20
ARB-0612-2,5	USB – RS232/422/485/TTL z separacją 2,5 kV, black	03-01-03-07-02-20
ARB-0612-3,0	USB – RS232/422/485/TTL z separacją 3,0 kV, black	03-01-03-07-03-20
ARB-0612-5,0	USB – RS232/422/485/TTL z separacją 5,0 kV, black	03-01-03-07-04-20

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