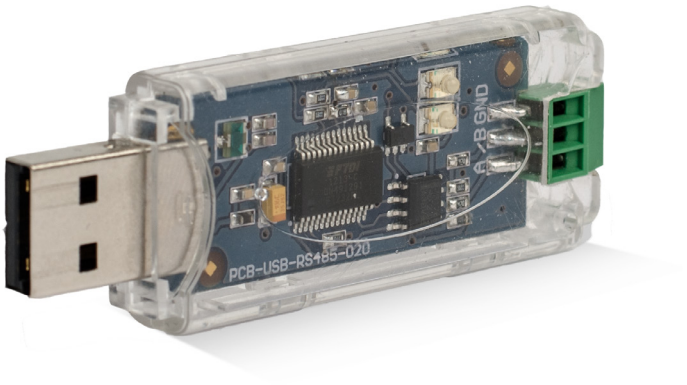
CNVT-USB-RS485

Modbus to USB converter

The CNVT-USB-RS485 is a self-powered USB to Modbus RTU (RS485) module. The Modbus RTU serial information is automatically converted to serial information on a USB virtual COM port in both transmitted and received communication.

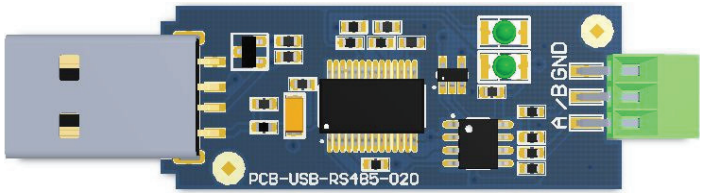
Key features

- Easy plug & play installation
- LED indication for receiving and transmitting signals
- Integrated connections for terminal block in enclosure
- Compatible with USB 1.1 and 2.0
- Installs as a standard Windows COM port



Technical specifications

Supply	USB powered
Input	USB Type A
Output	Modbus RTU (RS485) A, /B and GND
Other specifications	COM port number can be changed to any available number, to support HyperTerminal or any other serial communications software application running in Windows
	Microsoft Windows® WHQL-certified, Mac OS X, Linux and Windows CE device drivers
	FIFO: 128 byte transmit buffer, 256 byte receive buffer
	ESD protection for RS485 input & output: ±15 kV Human Body Model (HBM) and ±15 kV
	EN61000-4-2 Air Gap Discharge, ±8 kV EN61000-4-2 Contact Discharge
	Parity: none, even, odd
	Data bits: 7, 8
	Flow control: none



Wiring and connections

A	RS485 signal A
/B	RS485 signal /B
GND	Ground

Note: *The grounding terminal should only be used when connected to a Sentera DC powered product. Connecting the grounding terminal to an AC powered product will damage your USB port.*

Area of use

- With all Sentera 3S Modbus articles

Modbus registers

The parameters of Sentera products with Modbus RTU communication can be monitored / configured through the 3SModbus software platform. You can download it from the following link: https://www.sentera.eu/Downloads/Index/ENG

You can find register maps in the mounting instructions. Download them from: https://www.sentera.eu/Product/Index/

Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC: EN 61000-6-2: 2005/AC:2005, EN 61000-6-3:2007/A1:2011/AC:2012, EN 61326-2-3:2013
- WEEE 2012/19/EC

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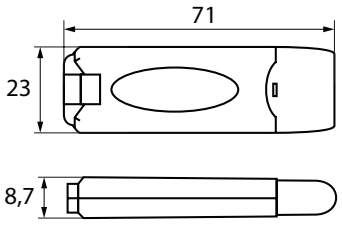
Packaging

Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
CNVT-USB-RS485	Unit (1 pc.)	100	-	120	11 g	12 g
	Carton (25 pcs.)	220	135	115	0,275 kg	0,475 kg

Fixing and dimensions



Application example